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Borough of Worthing



ANNUAL REPORT

on the

HEALTH OF WORTHING

and

**Meteorological Observations
for the Year**

1960

G. H. PRINGLE
M.R.C.S., L.R.C.P., D.P.H.
Medical Officer of Health



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G. H. PRINGLE

M.R.C.S., L.R.C.P., D.P.H.

Medical Officer of Health

HEALTH DEPARTMENT,
WORTHING LODGE,
STOKE ABBOTT ROAD,
WORTHING.

(TELEPHONE: WORTHING 7802)

HEALTH DEPARTMENT,
WORTHING LODGE,
STOKE ABBOTT ROAD,
WORTHING.

August, 1961.

To the Mayor, Aldermen and Councillors of the Borough of Worthing.

MR. MAYOR, LADIES AND GENTLEMEN,

I present herewith my fourteenth Annual Report on the Health of Worthing, together with the Meteorological Observations for the year.

Statistics.—The general health of the town was satisfactory during the year. The Infantile Mortality Rate was 20.6 per 1,000 live births and compares with a figure of 21.7 for England and Wales as a whole. The Stillbirth Rate fell from 24.8 per 1,000 total births in 1959 to 20.2 in 1960.

Infectious Diseases.—For the thirteenth year in succession there were no cases of diphtheria.

There were no cases of poliomyelitis, and vaccination in all the age groups progressed steadily throughout the year. In addition to vaccination by the family doctors, a regular session has been held at the Central Clinic every Saturday morning for persons of the prescribed age groups who can attend without appointment.

At the end of the report there is a short summary of the work carried out in the Borough under the National Health Service Act 1946, Part 3 Services. This report appears in this form for the last time as under the Local Government Act, 1958, the duties carried out by the Worthing Health Sub-Committee together with a number of added duties and responsibilities were delegated to the Worthing Borough Council as from April 1st, 1961.

In April Mr. H. F. Jowett, the Deputy Chief Public Health Inspector, retired on superannuation after twenty-seven years of first-rate service to the Department and to the people of Worthing. His place was filled by the appointment of Mr. M. Blake, one of the Senior District Public Health Inspectors, and Mr. L. A. Biggs of Carshalton was appointed to the vacancy thus created.

I should like to express my appreciation of the helpful support and the interest taken in all the Health Services of the Borough by the Chairman and Members of the Health Committee and by other Members of the Council.

I also wish to record my sincere thanks to Dr. Aitken my Deputy, to Mr. White and the District Inspectors and to every member of the staff for all their assistance and co-operation.

I am,

Mr. Mayor, Ladies and Gentlemen,

Your obedient servant,

G. H. PRINGLE,
Medical Officer of Health.

HEALTH COMMITTEE :

(as at 31st December, 1960)

Chairman: ALDERMAN T. A. CLIFFORD

Vice-Chairman: COUNCILLOR MRS. H. M. PERYER

ALDERMAN R. A. MITCHELL

ALD. MRS. D. STAPLETON SKINNER, B.A.

COUNCILLOR A. N. COOKE

COUNCILLOR C. W. W. COOPER

COUNCILLOR S. C. ELLIOTT

COUNCILLOR G. HYDER

COUNCILLOR MRS. N. M. LEPHARD

COUNCILLOR G. N. D. LOCOCK

HEALTH DEPARTMENT STAFF :

(as at 31.12.60)

Medical Officer of Health

G. H. PRINGLE, M.R.C.S., L.R.C.P., D.P.H.

Deputy Medical Officer of Health

J. C. AITKEN, M.B., CH.B., D.P.H.

Chief Public Health Inspector S. S. WHITE, M.A.P.H.I., A.M.I.P.H.E.

Deputy Chief Public Health Inspector ... M. BLAKE

Senior District Public Health Inspectors .. L. A. BIGGS, M.A.P.H.I.
P. E. CHATTELLE, M.A.P.H.I.
G. T. PARSONS, M.A.P.H.I.

Clerical Staff :

Chief Clerk : T. L. CANTON

Clerks : MISS P. MOAKES
MRS. H. M. J. BUTLER
MISS D. J. GANDER
MRS. P. M. LOWE
MISS G. OWEN

Meteorological Observers : T. L. CANTON
L. A. BIGGS
P. E. CHATTELLE

Other Staff :

Rodent Operators : F. J. MARIGOLD
J. H. OGLESBY

Disinfector and General Assistant : ... F. A. McLOUGHLIN

STATISTICS, 1960

Area of Municipal Borough, including foreshore	..	8512.742 acres
Population (Census 1921)	.. .. .	31,520
Population (Census 1931)	.. .. .	46,230
Population (Census 1951)	.. .. .	69,431
Registrar-General's Estimate of Resident Population (1960)	..	77,140
Number of inhabited houses (1921)	.. .. .	7,710
Number of inhabited houses (1960)	.. .. .	29,100
Rateable Value (1960)	.. .. .	£1,933,647
Sum represented by a penny rate (1960)	.. .. .	£7,925

BIRTHS

<i>Live Births: (775)</i>		<i>Males</i>	<i>Females</i>	<i>Total</i>
Legitimate	..	382	359	741
Illegitimate	..	21	13	34
		<hr/>	<hr/>	<hr/>
		403	372	775
		<hr/>	<hr/>	<hr/>

Live birth rate per 1,000 population (Standard)	.. .. .	10.1
„ „ „ „ „ „ (Corrected)	.. .. .	11.6
Illegitimate Live Births per cent of total live births	.. .. .	4.4

<i>Still-births: (16)</i>		<i>Males</i>	<i>Females</i>	<i>Total</i>
Legitimate	..	9	5	14
Illegitimate	..	1	1	2
		<hr/>	<hr/>	<hr/>
		10	6	16
		<hr/>	<hr/>	<hr/>

Still-birth rate per 1,000 total live and still-births	.. .. .	20.2
Total live and still-births	.. .. .	791

Infant deaths—under 1 year: (16)

		<i>Males</i>	<i>Females</i>	<i>Total</i>
Legitimate	..	9	5	14
Illegitimate	..	2	—	2
		<hr/>	<hr/>	<hr/>
		11	5	16
		<hr/>	<hr/>	<hr/>

Total infant death rate per 1,000 total live births	..	..	..	20.6
Legitimate	„	„	„	18.9
Illegitimate	„	„	„	58.8
Neo-natal (first four weeks) mortality rate per 1,000 live births	..			15.5
Early Neo-natal (first week) mortality rate per 1,000 live births	..			12.9
Perinatal Mortality Rate (still-births and deaths under 1 week combined per 1,000 total live and still-births)	..	..		32.9
Maternal mortality (including abortion):				
Number of deaths	..	..	..	1
Rate per 1,000 total live and still-births	..	..	..	1.26

DEATHS:

Deaths (all causes)	..	..	..	..	1,640
Death rate per 1,000 population (Standard)	..	..	..	..	21.3
„	„	„	„	„	13.2

METEOROLOGY:

Mean annual temperature (1960)	..	..	..	..	51.5 deg. Fahr.
Total rainfall (1960)	..	..	..	..	41.43 inches
Hours of bright sunshine (1960)	..	..	..	..	1617.9 hours
(Daily average, 4.42 hours; Summer, 6.23 hours; Winter, 2.62 hours)					

POPULATION

The Registrar-General's estimate of the mid-year population of Worthing was 77,140, as compared with 75,260 in 1959 and this estimate has been adopted for the purposes of the statistics contained in this Report.

BIRTHS

On analysis of the Vital Statistics set out in this section, it will be observed that the number of births (live and still) registered during 1960 was 791, of which 413 were males and 378 females; of these, 36 births (22 male and 14 female) were registered as illegitimate.

The Registrar-General provides a factor for the purpose of rendering the birth-rate of the Borough comparable with that of a district the population of which is of standard age and sex distribution. Accordingly the birth-rate is now multiplied by this factor which represents the birth-rate for comparison with other districts. The live birth-rate of Worthing for 1960 adjusted in this manner is raised from 10.1 to 11.6 per 1,000 of population. The birth-rate for England and Wales is 17.1 per 1,000.

Illegitimate births numbered 36, or 4.5 per cent. of the total births.

STILL - BIRTHS

The registration of still-births is made compulsory by the Births and Deaths Registration Act, 1953.

During 1960 there were 16 still-births registered to Worthing residents representing a still-birth rate of 20.2 per 1,000 births (live and still) registered. Two of the still-births were illegitimate.

DEATHS

The number of deaths registered in the Borough during 1960 was 1,579. Of these 225 were deaths of non-residents and were transferred to the districts in which the persons ordinarily resided. There were, on the other hand, 286 deaths of Worthing residents registered outside the Borough. The total (corrected) number of deaths assigned to the Borough was 1,640 (males 685, females 955). This gives a recorded death-rate of 21.3 compared with 11.5 for England and Wales. This recorded death-rate, however, which is a crude rate, cannot be used to compare the mortality with that of other districts as the populations of all areas are not similarly constituted as regards the proportions of their sex and age group components.

The Registrar-General supplies an "Area Comparability Factor" and the crude death-rate multiplied by this figure can then be compared with the death rate of the country as a whole or with the mortality of any other local area. The corrected death-rate so obtained is 13.2 per 1,000 population.

INFANT MORTALITY

During 1960 the deaths of 16 infants under one year of age were registered. The total number of live births registered during the year was 775, giving an infantile mortality rate of 20.6 per 1,000 live births.

The infantile mortality rate for England and Wales in 1960 was 21.7.

There were 12 deaths of infants during the first four weeks of life (or 75.0 per cent. of the total infant deaths) as compared with 7 deaths (or 77.8 per cent.) in 1959.

The causes of the 16 infant deaths are shown in detail on page 16.

CANCER MORTALITY

The number of deaths of Worthing residents from cancer was 269 (males 122, females 147) as compared with 274 in 1959, 269 in 1958, 262 in 1957, 245 in 1956 and 228 in 1955. The death-rate from the disease per 1,000 of the population was 3.47. The deaths from cancer constitute 16.4 per cent. of the total Worthing deaths during the year.

The following gives the comparative average death-rates from cancer in Worthing for quinquennial periods since 1910:

1910-1914	..	..	1.32	1945-1949	..	..	3.06
1915-1919	..	..	2.01	1950-1954	.	..	3.34
1920-1924	..	..	1.94	1955-1959	.	..	3.51
1925-1929	..	..	2.29	1960	..	..	3.47
1930-1934	..	..	2.33				
1935-1939	..	..	2.53				
1940-1944	..	..	3.11				

The following table shows the localisation of the disease in the case of the 269 deaths recorded.

Localisation				No. of deaths		
				Male	Female	Total
Stomach	..	..	..	12	9	21
Lungs	..	..	..	50	5	55
Breast	..	..	..	1	39	40
Uterus	..	..	..	—	13	13
Other and unspecified organs	..			59	81	140
Total	..			122	147	269

The mortality from cancer during the last 20 years is shown as follows: .

Year	Deaths		Total	Death rate per 1,000 of the population
	Males	Females		
1941 ..	69	92	161	2.88
1942 ..	76	113	189	3.47
1943 ..	79	90	169	3.22
1944 ..	68	109	177	3.27
1945 ..	80	124	204	3.48
1946 ..	76	120	196	3.02
1947 ..	84	116	200	3.00
1948 ..	80	103	183	2.71
1949 ..	95	118	213	3.10
1950 ..	87	150	237	3.47
1951 ..	104	144	248	3.64
1952 ..	87	116	203	3.01
1953 ..	92	132	224	3.16
1954 ..	97	138	235	3.43
1955 ..	100	128	228	3.27
1956 ..	105	140	245	3.42
1957 ..	110	152	262	3.59
1958 ..	119	150	269	3.61
1959 ..	118	156	274	3.64
1960 ..	122	147	269	3.47

This death rate is considerably higher than that for the country as a whole, and to a great extent this is accounted for by the high proportion of aged persons resident in the Borough. The rate for England and Wales in 1960 was 2.15 per 1,000 population.

INFLUENZA AND PNEUMONIA MORTALITY

There were 100 deaths from these diseases as against 85 in 1959, 83 in 1958, 74 in 1957, 68 in 1956 and 48 in 1955. The mortality rate per 1,000 of the population was 1.30 as compared with 1.12 in 1959, 1.11 in 1958, 1.01 in 1957, 0.95 in 1956 and 0.69 in 1955. The rate for England and Wales in 1960 was 0.55 per 1,000 population.

TUBERCULOSIS MORTALITY

Deaths registered from tuberculosis numbered 6, all of them due to pulmonary tuberculosis.

The death-rate from tuberculosis was 0.08 per 1,000 population, compared with 0.12 in 1959, 0.08 in 1958, 0.04 in 1957, 0.08 in 1956 and 0.13 in 1955.

The rate for England and Wales in 1960 was 0.07 per 1,000 population.

DEATHS FROM HEART DISEASE

Of the 1,640 deaths, heart disease caused roughly 1 in every 3 (males 269, females 351). It represented 37.7 per cent. of the total deaths from all causes and was equivalent to a death-rate of 8.0 per 1,000 of the population.

40 YEARS VITAL STATISTICS — TABLE 1

Year.	Deaths.														Registrar General's Popu- lation
	Births.		All causes.		Infants under 1 year.		Maternal Mortality			Tuberculosis		Cancer.			
No.	R.*	No.	R.*	Sepsis.	Other Causes	Rate†	No.	R.*	No.	R.*					
1921	487	15.5	441	14.0	29	59	1	2	5.43	32	1.02	63	1.99	31,520	
22	404	12.8	472	15.0	21	52	1	—	1.95	35	1.11	59	1.87	31,460	
23	401	12.8	428	13.6	18	45	1	1	3.89	26	0.83	55	1.75	31,440	
24	426	13.3	537	16.6	21	49	—	1	2.35	32	0.99	81	2.51	32,260	
25	442	13.4	452	13.7	21	48	—	1	2.26	28	0.85	60	1.82	32,950	
26	423	12.1	536	15.3	17	40	—	1	2.36	30	0.85	90	2.56	35,060	
27	432	11.9	571	15.7	20	46	1	2	6.94	28	0.76	84	2.31	36,350	
28	462	12.2	548	14.4	17	37	1	1	4.33	26	0.68	87	2.29	38,030	
29	494	11.9	684	16.5	12	24	—	1	2.02	34	0.82	103	2.49	41,410	
30	534	12.6	640	15.1	18	36	—	2	3.75	37	0.87	104	2.46	42,340	
31	553	12.5	690	15.5	20	37	2	2	7.23	46	1.04	101	2.28	44,320	
32	513	11.0	781	16.8	20	39	4	3	13.64	39	0.84	101	2.17	46,470	
33	514	10.6	715	14.7	18	38	2	—	3.89	33	0.68	104	2.14	48,530	
34	615	11.9	756	14.6	12	20	—	1	1.63	34	0.66	133	2.58	51,580	
35	621	11.5	744	14.0	25	40	1	—	1.61	36	0.67	125	2.32	53,930	
36	687	12.4	870	15.6	23	35	—	3	4.36	25	0.45	153	2.75	55,540	
37	729	12.4	916	15.6	33	45	—	—	—	42	0.72	138	2.35	58,600	
38	712	10.8	917	15.5	20	29	—	1	1.40	31	0.52	151	2.56	59,080	
39	763	12.4	1035	16.9	18	23	1	1	2.60	26	0.34	163	2.66	61,210	
40	657	9.6	1165	17.6	32	49	—	2	3.00	48	0.70	186	2.73	66,350	
41	590	10.1	1044	18.7	22	36	—	1	1.80	39	0.70	161	2.88	55,710	
42	724	13.3	1116	20.5	25	35	1	1	2.80	23	0.42	189	3.47	54,500	
43	775	14.3	1073	20.4	24	32	—	3	3.90	33	0.63	169	3.22	52,500	
44	924	17.1	1037	19.2	40	44	—	2	2.10	23	0.42	177	3.27	54,080	
45	811	13.8	1173	20.0	31	39	—	1	1.20	32	0.54	204	3.48	58,620	
46	1059	16.3	1223	18.8	50	48	—	—	—	22	0.34	196	3.02	64,860	
47	1003	15.0	1251	18.7	31	32	—	—	—	26	0.38	200	3.00	66,750	
48	861	12.8	1103	16.3	20	24	—	—	—	23	0.34	183	2.71	67,520	
49	818	12.0	1209	17.8	16	20	—	1	1.20	18	0.26	213	3.10	67,940	
50	714	10.4	1336	19.5	22	31	—	1	1.40	25	0.37	237	3.47	68,350	
51	699	10.3	1375	20.2	17	25	—	—	—	18	0.26	248	3.64	68,060	
52	658	9.7	1235	18.3	11	17	—	2	2.04	21	0.31	203	3.01	67,530	
53	613	9.0	1308	19.3	16	27	—	1	1.63	3	0.04	224	3.16	67,770	
54	659	9.6	1299	19.0	19	30	—	—	—	13	0.19	235	3.43	68,510	
55	671	9.6	1269	18.2	13	20	—	—	—	9	0.13	228	3.27	69,840	
56	701	9.8	1474	20.6	22	32	—	1	1.43	6	0.08	245	3.42	71,580	
57	697	9.6	1338	18.4	13	19	—	—	—	3	0.04	262	3.59	72,860	
58	716	9.5	1481	19.9	15	21	—	—	—	6	0.08	269	3.61	74,550	
59	726	9.6	1593	21.3	9	13	—	—	—	8	0.12	274	3.64	75,260	

* Per 1,000 Population (unadjusted)

** Per 1,000 Live Births.

† Per 1,000 Total (Live & Stillborn)

TABLE II

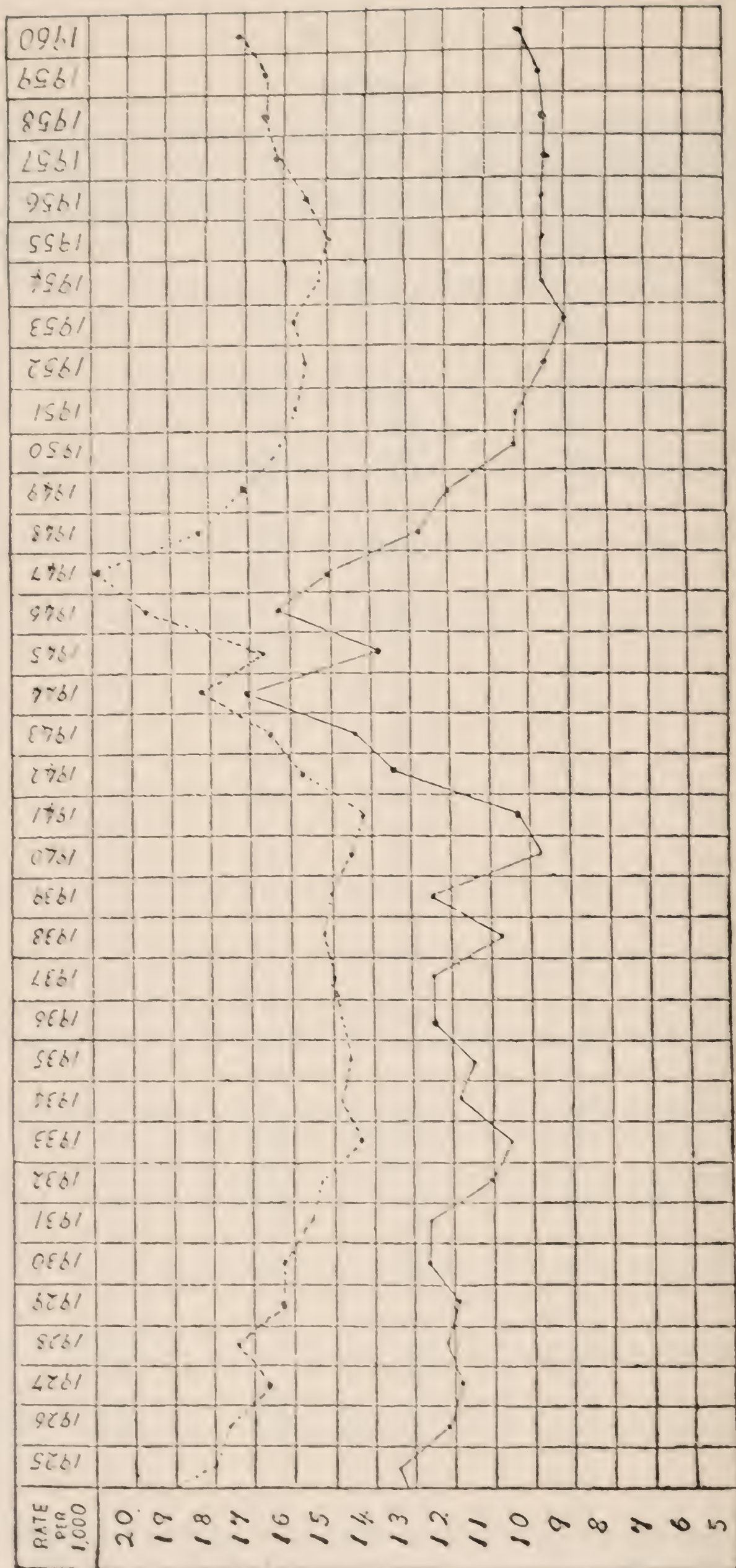
BIRTHS

The following table shows the number of births, and birth rate of Worthing, for the last 40 years.

		Total Births (live and still)	Males	Females	Birth Rate	Adjusted Birth Rate
1921	...	487	265	222	15.5	—
1922	...	404	221	183	12.8	—
1923	...	401	214	187	12.8	—
1924	...	426	249	177	13.3	—
1925	..	442	223	219	13.4	—
1926	...	423	218	205	12.1	—
1927	...	432	223	209	11.9	—
1928	...	462	223	239	12.2	—
1929	...	494	242	252	11.9	—
1930	...	534	278	256	12.6	—
1931	...	553	299	254	12.5	—
1932	...	513	256	257	11.0	—
1933	...	514	255	259	10.6	—
1934	...	615	292	323	11.9	—
1935	...	621	296	325	11.5	—
1936	...	687	340	347	12.4	—
1937	...	729	378	351	12.4	—
1938	...	712	347	365	10.8	—
1939	..	763	400	363	12.4	—
1940	...	657	362	295	9.6	—
1941	...	590	305	285	10.1	—
1942	...	724	346	378	13.3	—
1943	...	775	417	358	14.3	—
1944	...	924	491	433	17.1	—
1945	...	811	427	384	13.8	—
1946	...	1059	536	523	16.3	—
1947	...	1003	527	476	15.0	—
1948	...	861	453	408	12.8	—
1949	...	818	444	374	12.0	—
1950	...	714	350	364	10.4	12.4
1951	..	699	383	316	10.3	12.2
1952	...	658	328	330	9.7	11.5
1953	...	613	321	292	9.0	10.7
1954	...	659	324	335	9.6	12.8
1955	...	671	354	317	9.6	12.8
1956	..	701	368	333	9.8	12.0
1957	...	697	341	356	9.6	13.1
1958	...	716	378	338	9.5	12.5
1959	...	726	392	334	9.6	11.1
1960	...	791	413	378	10.1	11.6

The birth rate for England and Wales for 1960 was 17.1 per 1,000.

CHART SHOWING WORTHING UNADJUSTED BIRTH RATE SINCE 1925



(Dotted line represents Rate for England and Wales)

DEATHS

The total number of deaths assigned to Worthing after allowing for inward and outward transfers was 1,640, 685 males and 955 females, giving a crude death rate of 21.3 per 1,000 population.

The corrected death rate after adjustment is 13.2.

			Crude Death Rate	Adjusted Death Rate
1941	..	..	18.7	(no comparability factor issued).
1942	..	..	20.5	„
1943	..	..	20.4	„
1944	..	..	19.2	„
1945	..	..	20.0	„
1946	..	..	18.8	„
1947	..	..	18.7	„
1948	..	..	16.3	„
1949	..	..	17.8	10.0
1950	..	..	19.5	10.9
1951	..	..	20.2	11.1
1952	..	..	18.3	10.1
1953	..	..	19.3	10.6
1954	..	..	19.0	9.7
1955	..	..	18.2	9.3
1956	..	..	20.6	11.1
1957	..	..	18.4	9.9
1958	..	..	19.9	10.7
1959	..	..	21.3	13.4
1960	..	..	21.3	13.2

The death rate for England and Wales was 11.5.

TABLE III.
CAUSES OF DEATH — 1960

All Causes	Males 685	Females 955
Tuberculosis, Respiratory	5	1
Tuberculosis, other	—	—
Syphilitic Disease	1	1
Diphtheria	—	—
Whooping Cough	—	—
Meningococcal infections	—	—
Acute Poliomyelitis	—	—
Measles	—	—
Other infective and parasitic diseases	—	1
Malignant neoplasm, stomach	12	9
Malignant neoplasm, Lung, Bronchus	50	5
Malignant neoplasm, Breast	1	39
Malignant neoplasm, Uterus	—	13
Other malignant and lymphatic neoplasms	59	81
Leukaemia aleukaemia	2	8
Diabetes	5	8
Vascular lesions of Nervous System	82	212
Coronary disease, Angina	142	132
Hypertension with heart disease	2	14
Other heart disease	125	205
Other circulatory disease	23	36
Influenza	—	1
Pneumonia	42	57
Bronchitis	41	18
Other diseases of respiratory system	13	8
Ulcer of stomach and duodenum	9	6
Gastritis, enteritis and diarrhoea	2	1
Nephritis and nephrosis	2	5
Hyperplasia of prostate	12	—
Pregnancy, childbirth, abortion	—	1
Congenital malformations	4	2
Other defined and ill-defined diseases	36	53
Motor vehicle accidents	7	5
All other accidents	4	20
Suicide	4	13
Homicide and operations of war	—	—

The principal causes of death during the year were: —

Heart Diseases	620
Cancer	269
Intra-cranial vascular lesions	294
Pneumonia	99

DEATHS, AGE GROUPS — 1960

Age	Deaths	Age	Deaths
Under 1 year	... 16	35 to 44 years	... 14
1 to 2 years	... 3	45 to 54 ..	... 48
3 to 4 ..	... 2	55 to 59 ..	... 61
5 to 9 ..	... —	60 to 64 ..	... 98
10 to 14 ..	... —	65 to 69 ..	... 187
15 to 19 ..	... 1	70 to 79 ..	... 556
20 to 24 ..	... 4	80 to 89 ..	... 503
25 to 34 ..	... 9	90 years and over	... 138
Total number of deaths ... 1,640			

This analysis shows that 73.0 per cent. of the deaths were of persons aged 70 years of age and upwards.

The number of deaths occurring in the four quarters of the year was as follows:—

	Deaths	Adjusted Death rate per 1,000 Population	Rate for England & Wales
First Quarter	473	15.3	13.2
Second Quarter	374	12.0	11.0
Third Quarter	389	12.5	9.8
Fourth Quarter	404	13.0	12.2
	1640	13.2	11.5

TABLE. IV

**BIRTH RATES, DEATH RATES,
AND INFANTILE MORTALITY RATES, 1940 — 1960**

Years	No. of births (live and still)	Unadjusted Birth rate per 1,000 of the population	No. of deaths	Unadjusted Death rate per 1,000 of the population	Infantile Mortality rate per 1,000 births (live and still)
1940 ..	657	9.6	1165	17.6	49
1941 ..	590	10.1	1044	18.7	36
1942 ..	724	13.3	1116	20.5	35
1943 ..	775	14.3	1073	20.4	32
1944 ..	924	17.1	1037	19.2	44
1945 ..	811	13.8	1173	20.0	39
1946 ..	1059	16.3	1223	18.8	48
1947 ..	1003	15.0	1251	18.7	31.9
1948 ..	861	12.8	1103	16.3	23.8
1949 ..	818	12.0	1209	17.8	19.5
1950 ..	714	10.4	1336	19.5	30.8
1951 ..	699	10.3	1375	20.2	24.6
1952 ..	658	9.7	1235	18.3	16.7
1953 ..	613	9.0	1308	19.3	26.6
1954 ..	659	9.6	1299	19.0	29.6
1955 ..	671	9.6	1269	18.2	19.8
1956 ..	701	9.8	1474	20.6	32.3
1957 ..	697	9.6	1338	18.4	18.7
1958 ..	716	9.5	1481	19.9	21.2
1959 ..	726	9.6	1593	21.3	12.7
1960 ..	791	10.3	1640	21.3	20.6

It will be noted from this table that the number of deaths has always exceeded the number of births during the last 21 years. There has been no “natural increase of the population” (*i.e.* excess of births over deaths) since the year 1921.

TABLE V
INFANTILE MORTALITY

The number of deaths under one year of age was 16 (11 males and 5 females), giving an infant mortality rate of 20.6 per 1,000 live births. The corresponding rate for England and Wales for the year under review was 21.7.

Year	No. of Infant Deaths	Proportion per 1,000 live births	Percentage of Total Deaths at all ages	Infant Mortality Rate in England and Wales
1936	23	35	2.6	59
1937	33	45	3.6	58
1938	20	29	2.2	53
1939	18	23	1.7	50
1940	32	49	2.7	55
1941	22	36	2.1	59
1942	25	35	2.2	49
1943	24	32	2.2	49
1944	40	44	3.8	46
1945	31	39	2.5	46
1946	50	48	4.2	43
1947	31	31.9	2.4	41
1948	20	23.8	1.8	34
1949	16	19.5	1.3	32
1950	22	30.8	1.6	30
1951	17	24.6	1.3	30
1952	11	16.7	0.9	28
1953	16	26.6	1.2	27
1954	19	29.6	1.5	26
1955	13	19.8	1.0	25
1956	22	32.3	1.5	24
1957	13	19.2	1.0	23
1958	15	21.2	1.0	23
1959	9	12.7	0.6	22
1960	16	20.6	0.9	22

The causes of deaths of children under one year for the last 5 years are as follows:—

Cause of Infant Deaths	Deaths of infants under one year of age.				
	1956	1957	1958	1959	1960
Premature Births	5	2	4	2	5
Congenital Malformations ..	4	3	—	1	2
Pneumonia	8	2	2	1	3
Atelectasis	—	—	2	—	—
Asphyxia	1	1	—	—	—
Gastro Enteritis	1	—	—	—	—
Intra-Cranial Haemorrhage ..	1	2	1	2	4
Meningitis	—	—	1	—	—
Tuberculous Meningitis ..	—	—	—	1	—
All other causes	2	3	5	2	1
Unascertained	—	—	—	—	1
TOTALS	22	13	15	9	16

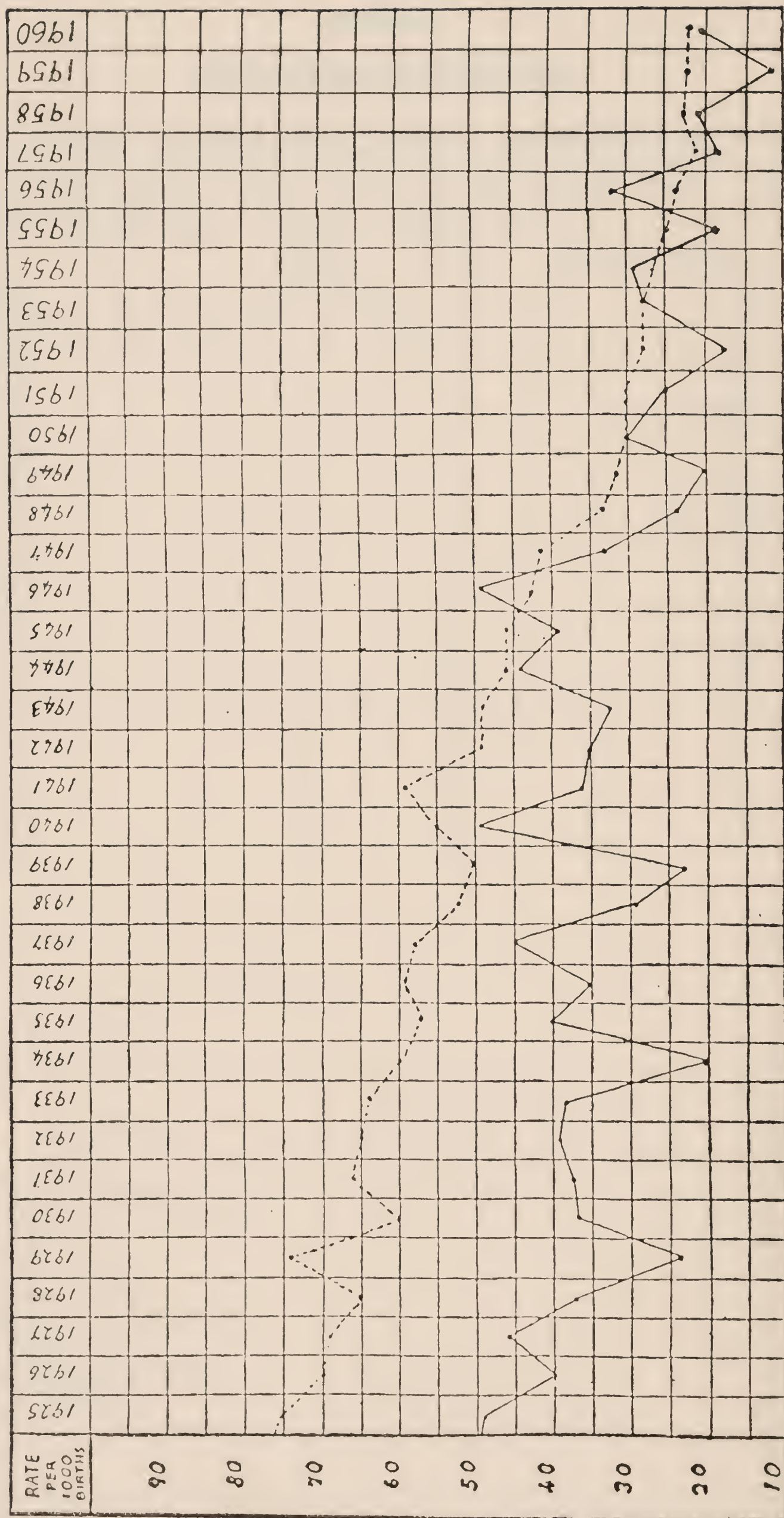
TABLE VI

INFANTILE DEATHS — 1960

TABLE SHOWING CAUSES AND AGES AT DEATH

Cause	Age in weeks				Total under 1 Month	Age in months					Total (All Ages)
	0-1	1-2	2-3	3-4		1-2	2-3	3-6	6-9	9-12	
Prematurity	5	—	—	—	5	—	—	—	—	—	5
Congenital Malformations ..	—	2	—	—	2	—	—	—	—	—	2
Pneumonia	1	—	—	—	1	—	—	1	—	1	3
Intra-Cranial Haemorrhage ..	4	—	—	—	4	—	—	—	—	—	4
Other Causes ..	—	—	—	—	—	—	—	1	—	—	1
Unascertained	—	—	—	—	—	—	—	—	—	1	1

CHART SHOWING WORTHING INFANTILE MORTALITY RATE SINCE 1925



(Dotted line represents Rate for England and Wales)

WATER SUPPLIES

The water supply undertaking is owned and managed by the Borough Council.

The following information regarding the water supply has been supplied by Mr. H. A. Leader, Assoc.M.Inst.C.E., Assoc.M.Inst.W.E., Borough Water Engineer.

1. The water supply of the statutory area has been very satisfactory in both quality and quantity throughout the past year.
2. Bacteriological examinations are made once a fortnight of both the raw and chlorinated water, whilst chemical examinations of the raw water are made once a month.
3. The water has no plumbo-solvent action.
4. No contamination of supplies has been reported.
5. The population supplied during the year ended December, 1960, was 82,641, all supplies being direct to the houses and no standpipes being used. The area supplied includes the Parishes of Clapham, Patching and Sompting, and in the entire area only 18 houses (approximate population 50) are without a piped water supply.

In addition to the direct supply, a bulk supply was maintained to the Worthing Rural District Council, and distributed by that Authority to a population of 15,147.

THE COUNTIES PUBLIC HEALTH LABORATORIES

66 Victoria Street,
London, S.W.1.

Chemical Water Report

The sample of water marked 48" Borehole, Broadwater Pumping Station, received here on 7.6.60, has been chemically examined as follows:—

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Clear and bright	Metals	Absent
Colour	Nil	Turbidity	Nil
pH	7.2	Odour	Nil
Electric Conductivity	490	Free Carbon Dioxide	26
Chlorine present as Chloride	25	Total Solids	230
Hardness: Total 245—		Alkalinity as Calcium Carbonate	215
Carbonate 215; Non-carbonate 30		Nitrite Nitrogen	Absent
Nitrate Nitrogen	6.4	Oxygen Absorbed	0.15
Ammoniacal Nitrogen	0.000	Residual Chlorine	Absent
Albuminoid Nitrogen	0.000		

This sample is clear and bright in appearance, neutral in reaction and free from iron and other metals. The water is hard in character but not unduly so, contains no excess of mineral constituents and it is of very satisfactory organic quality.

From the aspect of the chemical analysis these results are indicative of a pure and wholesome water suitable for public supply purposes.

10th June, 1960.

(Signed) GORDON MILES, B.SC., F.R.I.C.

THE COUNTIES PUBLIC HEALTH LABORATORIES

66 Victoria Street,
London, S.W.1.

Chemical Water Report

The sample of water marked 30" Borehole, Patching Pumping Station, received here on 26.10.60, has been chemically examined as follows:—

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Clear and bright	Albuminoid Nitrogen	0.000
Colour	Nil	Metals	Absent
pH	7.4	Turbidity	Nil
Electric Conductivity	440	Odour	Nil
Chlorine present as Chloride	20	Free Carbon Dioxide	17
Hardness: Total 240—		Total Solids ...	300
Carbonate 220; Non-carbonate 20		Alkalinity as Calcium Carbonate	220
Nitrate Nitrogen	5.0	Nitrite Nitrogen	Absent
Ammoniacal Nitrogen	0.000	Oxygen Absorbed	0.15
		Residual Chlorine	Absent

This sample is clear and bright in appearance, neutral in reaction and free from iron and other metals. The water is hard in character but not unduly so, contains no excess of mineral constituents, and it is of very satisfactory organic quality.

From the aspects of the chemical analysis these results are indicative of a pure and wholesome water suitable for public supply purposes.

(Signed) GORDON MILES, B.Sc., F.R.I.C.

1st November, 1960.

PUBLIC HEALTH LABORATORY,
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

Bacteriological Water Analysis

On sample marked 48" Borehole, Broadwater Pumping Station.

Lab. Ref. No. 309785.

Received 21.6.60.

Plate Count. 1 day at 37°C. less than 1.

Probable number of coliform bacilli per 100 ml.—less than 1.

Date of report, 23.6.60.

J. E. JAMESON,
Director.

PUBLIC HEALTH LABORATORY,
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

Bacteriological Water Analysis

On sample marked 30" Borehole, Patching Pumping Station.

Lab. Ref. No. 319326.

Received 25.10.60.

Plate Count, 1 day at 37°C. less than 1

Probable number of coliform bacilli per 100 ml.—less than 1.

Date of report, 27.10.60.

J. E. JAMESON,
Director.

PUBLIC SWIMMING BATHS

1.—INDOOR SWIMMING BATHS

The Swimming Baths situated in Heene Road are antiquated and nothing can be done to make them conform with modern requirements. However, the water purification system consisting of high pressure filtration and break-point chlorination with an 8 hour turnover is modern, and a satisfactory standard of purity is maintained. The water used is the public supply.

2.—THE LIDO

This open air swimming pool occupies the site of the former Bandstand. It was opened in May 1959, and has certainly proved the need for an amenity of this nature. Sea water is used and is purified by high pressure filtration and breakpoint chlorination with a 6 hour turnover. A satisfactory standard of purity is maintained.

**BACTERIOLOGICAL EXAMINATION OF THE SWIMMING
BATH WATER AT HEENE BATHS AND THE LIDO**

Date	Plate Count Yeastral Agar 1 day at 37°C. Aerobically	Probable Number of Coliform Bacilli, 2 days at 37°C.
<i>SMALL SWIMMING BATH (Capacity 50,000 gallons)</i>		
6th May	2 per ml.	Less than 1 per 100 ml.
18th June	321 per ml.	5 per 100 ml.
24th June	1 per ml.	Less than 1 per 100 ml.
18th July	1 per ml.	Less than 1 per 100 ml.
11th Aug.	Less than 1 per ml.	Less than 1 per 100 ml.
26th Aug.		Less than 1 per 100 ml.
<i>LARGE SWIMMING BATH (Capacity 110,000 gallons)</i>		
6th May	Less than 1 per ml.	Less than 1 per 100 ml.
17th June	Less than 1 per ml.	Less than 1 per 100 ml.
24th June	Less than 1 per ml.	Less than 1 per 100 ml.
18th July	3 per ml.	Less than 1 per 100 ml.
11th Aug.	Less than 1 per ml.	Less than 1 per 100 ml.
26th Aug.	1 per ml.	Less than 1 per 100 ml.
<i>THE LIDO (Capacity 150,000 gallons)</i>		
13th June	Less than 1 per ml.	1 per 100 ml.
18th June	11 per ml.	1 per 100 ml.
24th June	Less than 1 per ml.	Less than 1 per 100 ml.
18th July	Less than 1 per ml.	Less than 1 per 100 ml.
11th Aug.	2 per ml.	Less than 1 per 100 ml.
26th Aug.	3 per ml.	Less than 1 per 100 ml.

SEWERAGE

Owing to the growth of the Borough, the Ministry of Health have approved a scheme for the enlargement and improvement of sewage disposal arrangements at East and West Worthing.

The scheme provides for the partial treatment of the sewage by screening, maceration, removal of detritus and sedimentation, together with separate disposal of digested sludge. By the end of the year work had been commenced at the East Worthing sewerage works.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES

Notifiable Infectious Diseases

The following are the infectious diseases which are now notifiable to the Medical Officer of Health:—

- Scarlet fever
- Whooping cough
- Diphtheria
- Measles
- Acute pneumonia (primary or influenzal)
- Meningococcal infection
- Acute poliomyelitis—
 - paralytic
 - non-paralytic
- Acute encephalitis—
 - infective
 - post-infectious
- Dysentery
- Ophthalmia neonatorum
- Puerperal pyrexia
- Smallpox
- Typhoid and Para-typhoid fevers
- Food poisoning
- Erysipelas
- Malaria
- Cholera
- Plague
- Typhus fever
- Relapsing fever
- Tuberculosis (all forms)
- Anthrax

NOTIFIED INFECTIOUS DISEASES — 1960 (Corrected in Cases of Revised Diagnosis)

	Under 1 year	1	2	3	4	5-9	10-14	15-19	20-24	25-34	35-44	45-64	65 and over	Age un- known	Total	Admitted to Isolation Hospital
Scarlet Fever ...	—	—	3	2	10	28	6	—	—	1	—	—	—	—	50	17
Whooping Cough ...	8	4	11	11	10	40	4	—	—	—	—	—	—	1	89	3
Diphtheria ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles ...	—	3	—	3	—	3	2	1	—	—	—	—	—	—	12	—
Acute Pneumonia	—	1	—	—	—	—	—	1	—	—	—	1	1	—	4	1
Meningococcal Infection	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis (Paralytic)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis (Non-Paralytic)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	1
Typhoid Fever ..	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—
Paratyphoid Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ophthalmia Neonatorum	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Food Poisoning ...	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—
Erysipelas ...	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3	2
	8	8	14	16	20	71	13	2	1	1	—	1	5	1	161	25

DIPHTHERIA

For the thirteenth year in succession there were no cases of Diphtheria in the Borough.

Immunisation before a child is 12 months old and a reinforcing injection at 5 years of age should still be considered an absolute rule for all.

MEASLES

The year 1960 was not a "Measles year" and only 12 notifications were received. No deaths occurred and none of the cases needed hospital treatment.

WHOOPING COUGH

Notifications for the year numbered 89. There were no deaths.

SCARLET FEVER

The number of confirmed cases was 50, of which 17 were treated in hospital. There were no deaths, and in all cases admitted to hospital modern treatment modified the severity of the disease, shortened its duration and completely eliminated any complications.

ACUTE POLIOMYELITIS (INFANTILE PARALYSIS)

No cases were notified during the year, for the second year in succession.

Vaccination against Poliomyelitis

Details of the scheme are given on page 59 of the Report.

ADMISSION OF CASES TO INFECTIOUS DISEASE HOSPITALS

The following Worthing cases were admitted during the year:—

Swandean Hospital

Scarlet Fever	..	..	..	..	..	17
Whooping Cough	..	..	..	..	..	3
Rubella	..	..	..	..	..	1
Gastro-Enteritis	..	..	..	..	..	1
Mumps	..	..	..	..	..	2
Erysipelas	..	..	..	..	..	1
Vincent's Angina	..	..	..	..	..	1
Tonsillitis	..	..	..	..	..	1
Staphylococcal Infection	..	..	..	..	..	3
Convalescent Whooping Cough	..	..	..	..	..	1
Observation cases	..	..	..	..	..	1
						32

Foredown Hospital

Chicken Pox	..	..	..	..	2
Staphylococcus Aureus infection	..	..	..	..	2
Herpes Zoster	..	..	..	..	1
Meningitis	..	..	..	..	1
Typhoid Fever	..	..	..	..	1
Puerperal Pyrexia	..	..	..	..	1
Lobar Pneumonia	..	..	..	..	1
Quinsy	..	..	..	..	1
Observation Cases	..	..	..	..	2
					—
					12
					—

Burgess Hill Hospital

Erysipelas	1
------------	----	----	----	----	---

TUBERCULOSIS

35 cases of tuberculosis were added to the Register during 1960:—

Pulmonary—Males	..	19	Non-Pulmonary—Males	..	—
Females	..	16	Females	..	—
		—			—
		35			Nil
		—			—

40 cases were removed from the Register, and 3 old cases were restored.

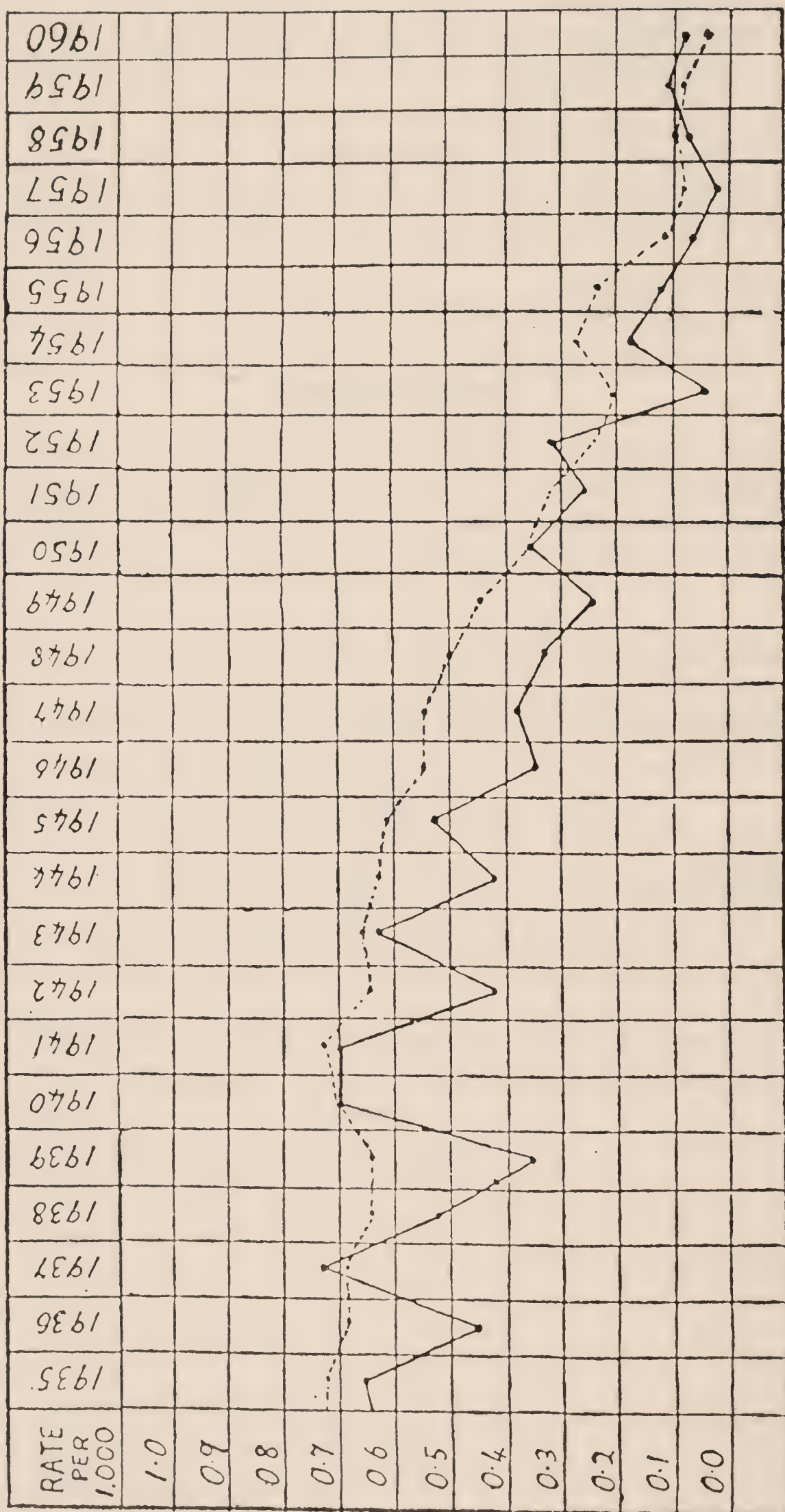
Tuberculosis Cases on the Register at 31st December, 1960.

	Males	Females	Total
Pulmonary	214	185	399
Non-pulmonary ..	41	50	91
Totals ..	255	235	490

Table showing new cases in 1960 and mortality

Age periods			New cases				Deaths			
			Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
			M	F	M	F	M	F	M	F
Under 1 year ..	..	..	—	—	—	—	—	—	—	—
1—4 years ..	..	..	1	—	—	—	—	—	—	—
5—14 „	..	..	—	—	—	—	—	—	—	—
15—24 „	..	..	2	2	—	—	—	—	—	—
25—34 „	..	..	3	4	—	—	—	—	—	—
35—44 „	..	..	2	2	—	—	—	—	—	—
45—54 „	..	..	2	2	—	—	—	—	—	—
55—64 „	..	..	4	3	—	—	2	—	—	—
65 years and over ..	..	..	5	3	—	—	3	1	—	—
TOTALS ..	..	..	19	16	—	—	5	1	—	—

CHART SHOWING WORTHING TUBERCULOSIS DEATH RATE SINCE 1925



(Dotted line represents Rate for England and Wales)

The following table shows the mortality from tuberculosis (all forms) since 1935:—

Year	Deaths	Death Rate per 1,000 of the population	
		Worthing	England and Wales
1935	36	0.67	0.72
1936	25	0.45	0.69
1937	42	0.72	0.70
1938	31	0.52	0.64
1939	26	0.34	0.64
1940	48	0.70	0.70
1941	39	0.70	0.73
1942	23	0.42	0.66
1943	33	0.63	0.67
1944	23	0.42	0.63
1945	32	0.54	0.62
1946	22	0.34	0.55
1947	26	0.38	0.55
1948	23	0.34	0.51
1949	18	0.26	0.45
1950	25	0.37	0.36
1951	18	0.26	0.31
1952	21	0.31	0.24
1953	3	0.04	0.20
1954	13	0.19	0.28
1955	9	0.13	0.15
1956	6	0.08	0.12
1957	3	0.04	0.09
1958	6	0.08	0.10
1959	9	0.12	0.09
1960	6	0.08	0.07

It has not been necessary to take action under the Public Health (Prevention of Tuberculosis) Regulations, 1925, or under Section 172 of the Public Health Act, 1936.

FOOD POISONING

There were no outbreaks of food poisoning during the year. One case was notified to the department, the cause of which was Salmonella infection.

CLEAN FOOD CAMPAIGNS

As in previous years, lectures and discussions have been given by the Medical Officer of Health and the Chief Public Health Inspector to a number of local organisations. Food traders' organisations have been approached and lectures given to food handlers.

WORTHING HOME SAFETY COMMITTEE

This Committee, which is fully representative of local bodies interested in home accident prevention, continued its excellent work throughout the year.

The Committee has an efficient panel of specialised speakers who undertake to lecture on the various aspects of Home Safety to local organisations.

THE NATIONAL ASSISTANCE ACT, 1948, AND NATIONAL ASSISTANCE (Amendment) ACT, 1951

Section 47. Removal to suitable premises of persons in need of care and attention.

In the few cases of this type where difficulties occur, informal action is generally sufficient to cope with the situation.

Legal proceedings, however, were necessary in two cases:—

1. An application was submitted to the Magistrates for action under the amending clauses of Section 47 of the National Assistance Act, 1948. This enabled the Local Authority to remove to Worthing Hospital on 2nd July an old lady of 75 years who was living in insanitary conditions and was in need of nursing care and medical attention. The patient died in hospital on 10th August.
2. On 21st July, an elderly lady aged 85 years and totally blind was found to be unable to devote to herself proper care and attention and her removal to a suitable home or institution became a matter of urgency. An Order was therefore obtained from the Magistrates for her removal to Wraysbury Home for the Blind.

Section 50. Burial of the Dead.

Under this Section of the Act it was necessary to arrange for the burial of twelve persons where no suitable arrangements were being made.

MASS RADIOGRAPHY

Early in 1960 the Medical Director of the Portsmouth Mass Radiography Unit introduced a scheme whereby a mobile unit visited Worthing weekly. The main purposes of this Unit is to X-ray cases referred by general practitioners. During the year, 1,082 Worthing residents were referred for X-Ray. The unit has been particularly useful in carrying out X-Ray examinations of candidates for certain official appointments, etc., and in particular applicants for entry to Teacher Training Colleges.

STAFF MEDICAL EXAMINATIONS

Medical examinations are undertaken by the Department in connection with Borough Council appointments and admissions of student teachers to training colleges. During the year, 114 such examinations were carried out, details of which are as follows:—

<i>Department</i>	<i>Males</i>	<i>Females</i>
Town Clerk's	4	4
Borough Engineer's	23	1
Medical Officer's	1	1
Borough Treasurer's	8	3
Borough Water Engineer's	3	—
Education	7	7
Entertainments and Publicity	2	—
Borough Librarian's	3	9
Entrants to Training Colleges	8	30
	—	—
Total	59	55
	—	—

Occasionally similar examinations are carried out at the request of other Local Authorities and during 1960 five such examinations were undertaken.

SANITARY INSPECTION OF THE BOROUGH

Report of Mr. S. S. White, Chief Public Health Inspector.

I submit my 28th and last Annual Report as I shall have retired from Office several months before this report is published.

I regret to say that the past year was most difficult, owing to serious shortage of staff—members of the Health Committee will remember that three advertisements for a Public Health Inspector failed to attract a single applicant because of a low salary—consequently some sections of my work had to be considerably curtailed.

I take this opportunity of expressing my sincere thanks to Dr. G. H. Pringle for his support and interest in my work and to the Public Health Inspectors, clerical staff and men in the Department for their willing, conscientious and loyal service over many years past.

GENERAL INSPECTIONS

General inspections included the following:—

Houses	179
Factories	298
Work Places	69
Bakehouses	44
Restaurant Kitchens, Canteens	222
Dairies	26
Ice Cream Premises	58
Food Premises	713
Schools	17
Drainage	476
Smoke Observations	41
Shops Act	20
Pest Destruction	132
Merchandise Marks Act	19
Miscellaneous	1377
Re-visits to supervise repairs, etc.	931

204 Public Health nuisances or contraventions were recorded and 176 were remedied before the end of the year; the latter figure includes a number carried forward from the previous year.

SANITARY DEFECTS AND NUISANCES RECORDED INCLUDED THE FOLLOWING :—

Houses :

Roofs defective	49
Rainwater conductors defective	39
Chimney stacks and external walls defective	36
Verminous	6
Wall plaster defective	69
Wall dampness	59
Cooking ranges, fireplaces defective	9
Window frames or cords defective	57
Floors, staircases defective	39
Insanitary yards	16
Vacant land insanitary	2

Drainage :

Requiring reconstruction	4
Defective condition	46
Choked	107
W.C.'s defective	14

COMPLAINTS

1,196 complaints were received and investigated. They are classified as follows :—

Housing, general defects	56
Dampness	61
Overcrowding	3
Insanitary premises	4
Smoke nuisances	23
Vacant land—insanitary	15
Gardens—insanitary	51
Animals improperly kept	8
Drains or sewers choked	122
Defective drainage systems	27
W.C.'s defective	13
Refuse bins	5
Smells	48
Vermin	15
Flies	6
Wasps	156
Cockroaches, etc.	31
Pigeons	8
Rabbits	15
Rats	376
Mice	141
Miscellaneous	12

HOUSING

Slum Clearance—1955 Scheme

This scheme comprised the Clifton Road Compulsory Order involving 42 houses, 6 Clearance Orders and 12 individual houses, totalling 88 houses and 202 persons.

The period of time allowed for the programme expired in July, 1960. It was expected that the remaining 28 houses in Clifton Road and 5 in West Street would be demolished early in 1961 to complete the programme.

Housing Inspections

Total number of dwelling-houses inspected (Public Health Act or Housing Act)						109
No. of houses repaired after informal notice ..						74
<i>Action under Statutory Powers:</i>						
(a) Public Health Acts						9
(b) Housing Act, 1957						7
Defects remedied by:						
(a) Owner						8
(b) Corporation in default						—
Closing Orders:						
Houses						5
Basements						3
Demolition Orders						1

THE RENT ACT, 1957

The main object of this Act is to permit limited increases in rents of houses remaining under rent control and giving tenants the right to request landlords to carry out repairs. Where a landlord fails to give an undertaking to remedy defects, the tenant may apply to the local authority for a Certificate of Disrepair, the possession of which prevents the proposed rent increase.

Only 65 tenants have taken advantage of this legislation since the Act came into operation in July, 1957.

Applications for Certificate of Disrepair:

No. of applications						2
No. of certificates issued						1
No. of undertakings						1
Cancellations of Certificates of Disrepair:—						
Granted						4
Refused						2
Certificate of Remedying Defects:—						
Applications						—

CARAVAN SITES & CONTROL OF DEVELOPMENT ACT, 1960

There is no licensed camping site within the Borough and only one caravan is licensed.

One caravan occupied without consent of the Corporation was removed by the Corporation, acting in default of the occupier, to the Destructor Depot.

PREVENTION OF DAMAGE BY PESTS

RODENT CONTROL

No. of complaints—Rats	..	..	..	..	..	376
Mice	..	..	..	..	..	141
No. of premises cleared of rodents	..	..	..	..	..	395

	Central & Local Govt.	Dwelling houses	Business premises etc.	Agricul- tural	Total
Rats (Major ..	3	—	—	—	3
(Minor ..	21	211	32	10	274
Mice (Major ..	—	—	—	—	—
(Minor ..	10	54	51	3	118
Total number of inspections ..	286	1,636	530	644	3,096

Amount of poison taken 9,842 ozs.

Treatment carried out on payment:—

	Rats	Mice
Central and Local Government	21	10
Other business premises	42	54

Total Revenue £133 0s. 3d.

	Complaints		Premises Cleared	Poison taken ozs.
	Rats	Mice		
1960	376	141	395	9,845
1959	411	152	423	10,311
1958	299	152	357	7,749
1953	263	82	437	6,075
1947	219	35	267	7,368

SEWER RATS.—Two treatments throughout the Borough were carried out during the year and on each occasion the sewers were found to be almost free of rats.

OTHER PESTS

Advice or treatment was given in 222 cases as regards annoyance caused by wasps, beetles, flies and other insects and pigeons, rabbits, etc.

Disinfestation work was carried out at 54 premises (204 rooms) to destroy vermin, cockroaches and other insects. Revenue . . £62 13s. 9d.

At 40 premises to destroy wasps' nests. Revenue . . £15 0s. 0d.

DISINFECTION

Articles fumigated by steam disinfection included the following:—

Blankets	..	..	..	..	..	..	29
Sheets, etc.	..	..	..	..	..	..	7
Mattresses and feather beds			..	..	..	..	402
Pillows, bolsters, cushions	..		..	..	..	..	678
Quilts, eiderdowns, overlays			..	..	..	..	12
Carpets and rugs	..	..	..	..	..	..	8
Miscellaneous bundles		..	..	..	..	..	8
Number of rooms disinfected			..	..	..	..	22
Revenue received		..	..	..	..	..	£38.10.0

INFECTIOUS DISEASE

58 visits were made in connection with cases of infectious disease or food poisoning notified to the Medical Officer of Health and for enquiries relating to sources of illness, contacts, housing conditions and means of isolation.

FACTORIES ACTS, 1937 and 1948

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors).

Premises	Number on Register	Number of Inspections	Written Notices
(i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities	21	18	6
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	249	237	6
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises).	28	24	—
TOTAL	298	279	12

2. Cases in which DEFECTS were found.

Particulars	Number of cases in which defects were found			
	Found	Remedied	Referred	
			To H.M. Inspector	By H.M. Inspector
Want of cleanliness (S.1.)	—	3	—	—
Overcrowding (S.2)	—	—	—	—
Unreasonable temperature (S.3)	—	—	—	—
Inadequate ventilation (S.4)	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—
Sanitary Conveniences (S.7)				
(a) insufficient	—	—	—	—
(b) unsuitable or defective	11	11	—	—
(c) not separate for sexes	—	—	—	—
Other offences against the Act (not including offences relating to Outwork)	—	—	—	1
TOTAL	11	14	—	1

OUTWORKERS. 12 local firms employ 35 persons to work in their own homes within the Borough and 20 residing elsewhere. 6 Outworkers are employed locally by five firms outside the County. The nature of their work was as follows:—

Making of wearing apparel	60
Furniture or upholstery	1

FIRE ESCAPE. 5 Certificates of Adequate Means of Escape in Case of Fire were granted during the year, making a total of 74 operative within the Borough.

These records were subsequently handed over to the Fire Authority in October on taking over this duty under new legislation.

SHOPS ACT, 1950—SEC. 38.

39 Certificates are in operation as regards exemption in respect of sanitary accommodation or washing facilities. Suitable alternative facilities are available in each case.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Three premises were registered, and one licensed, pursuant to the requirements of the above Act.

Two samples of rag flock or other fillings were taken and analysed pursuant to the Act and Regulations. These were satisfactory.

OFFENSIVE TRADES

There is no offensive trade or business in the Borough.

**NOTICES SERVED TO REMEDY DEFECTS OR ABATE
NUISANCES OR CONTRAVENTIONS**

<i>Act</i>	<i>Informal</i>	<i>Statutory</i>
Public Health Act, 1936—		
Section 92 (defects and nuisances) ..	42	3
„ 75 (dustbins)	161	1
„ 39 (drainage and appliances) ..	60	11
„ 44-45-46 (water closets) ..	6	
Clean Air Act	6	1
Housing Acts, Repairs	71	7
„ „ Overcrowding	5	
Food and Drugs Act	5	
Food Hygiene Regulations	51	
Milk and Dairies Regulations	2	
Meat Regulations	3	
Prevention of Damage by Pests Act, 1949 ..	23	
Factories Acts	12	
Shops Act	1	
Merchandise Marks Act	—	
Agriculture, Safety, Health and Welfare Act ..	4	
	<hr/> 452	<hr/> 23

Sewers serving approximately 209 houses found to be in a defective or choked condition were repaired or cleansed by the Corporation.

2 houses were re-drained to main sewers and the cesspools abolished.

The drainage system was reconstructed at 4 premises.

FOOD EXAMINATION

1. Meat

There is one slaughterhouse in the Borough at which 17,032 animals, 531 beasts, 2,028 calves, 2,582 sheep and 11,891 pigs were slaughtered during the year.

570 attendances were made to the slaughterhouse, to ensure that every carcase was examined before the meat left the slaughterhouse.

SLAUGHTERHOUSE FACILITIES

Consultations with interested trade organisations were arranged to review the slaughtering facilities available within the Borough in accordance with the request of the Minister of Agriculture, Fisheries and Food.

The Corporation's Slaughterhouse Report was later submitted, enumerating numerous defects or deficiencies under the Hygiene Regulations and the absence of a stunning pen to comply with the Prevention of Cruelty Regulations.

Many improvements were subsequently carried out at the Slaughterhouse and all the defects or deficiencies were remedied. The Minister fixed 1st January, 1961, as the appointed day for the said Regulations to come into operation at the Worthing Slaughterhouse.

Twelve persons were licensed to slaughter animals under the Slaughter of Animals Act, 1958.

All animals were slaughtered with the aid of mechanically-operated humane instruments

The Model Byelaws for Private Slaughterhouses, 1956, have been adopted.

Approximately 6 tons of meat were found to be diseased and unfit for food. This was salvaged for animal feeding, fat rendering or fertilizers. Meat found to be diseased included:—

Entire Carcasses :

Beasts	..	..	..	..	..	..	4
Calves	..	..	..	..	..	..	14
Sheep	..	..	..	..	..	..	21
Pigs	..	..	..	..	..	..	41

Offals :

			<i>Beasts</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>
Heads and Tongues	..	..	10	1	—	41
Other Parts	..	..	125	5	143	1,223

Carcases and offal inspected and condemned in whole or in part

	Cattle excl. Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	331	200	2,028	2,582	11,891
Number inspected	331	200	2,028	2,582	11,891
<i>All diseases except Tuberculosis and Cysticerci :</i>					
Whole carcasses condemned...	1	3	14	21	40
Carcases of which some part or organ was condemned ..	50	85	6	143	1,264
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	15.4 %	44 %	1 %	6.4 %	11 %
<i>Tuberculosis only :</i>					
Whole carcasses condemned...	—	—	—	—	1
Carcases of which some part or organ was condemned ...	—	2	—	—	31
Percentage of the number inspected affected with tuber- culosis	—	1 %	—	—	0.3 %
<i>Cysticercosis :</i>					
Carcases of which some part or organ was condemned ...	1	—	—	—	—
Carcases submitted to treat- ment by refrigeration ...	1	—	—	—	—
Generalised and totally con- demned	—	—	—	—	—

2. Milk

The milk supply to the Borough has changed considerably during recent years and several small dairy firms have been absorbed by large combines. Whereas milk was supplied by nine dairy firms, seven of which were local, to-day, the milk is supplied by three firms, two of which operate from outside the Borough. Whilst four small local firms continue to operate as distributors, their milk is processed and bottled by one of the combine firms, excluding the sterilized milk trade.

267 samples were taken and the following is a synopsis of the types of examination and the results:—

Examination for Bacterial Cleanliness.

Desigation	No. taken	Unsatisfactory
Tuberculin Tested	34	5
Tuberculin Tested (Pasteurised)	40	—
Pasteurised	67	—

Designated Milk. The following licences have been granted under the appropriate Regulations:—

Dealers “Tuberculin Tested” ..	7
„ “Pasteurised”	8
„ Prepacked licences ..	65

Milk is pasteurised at one dairy only.

Examination for M. Tuberculosis and Brucella Abortus. 58 samples were examined. All were negative for M. Tuberculosis; one was positive for Brucella Abortus and 13 positive to the Ring Test.

Brucella Abortus. The following table shows a marked reduction in the number of samples examined for Brucella Abortus and found to be ring test positive.

	1952	1956	1958	1960
No. of samples examined	152	181	59	58
M. Tuberculosis—Positive	2	—	—	—
Brucella Ring—Positive	72	57	18	13
Brucella Abortus—Positive	34	12	6	1
Brucella Melitensis—Positive	2	—	—	—

Examination to detect adulteration or abstraction. 68 samples of milk were analysed, details of which are given on page 40.

3. Ice Cream

4 premises are registered for the manufacture of ice cream and 255 premises are registered for the storage and sale of ice cream, mostly pre-packed. 6 new licences were granted during the year.

The requirements of the Heat Treatment Regulations are rigidly enforced, particularly as regards protecting ice cream from contamination by dust or unclean apparatus, etc. during its manufacture, storage or sale. Two contraventions were recorded during the year.

58 visits were made to ice cream premises, and manufacturers and retailers of loose ice cream were advised as regards the necessity for, and general use of, detergents and sterilizing agents for the cleansing of cabinets, apparatus and utensils.

4. Other Foods

Requests from local food tradesmen to examine foodstuffs of a doubtful character are received almost daily, and the undermentioned were found to be diseased or unsound and were condemned as being unfit for human food :—

					<i>Tins, Jars, etc.</i>	<i>Other</i>
Peas	..	..	..	..	21	
Beans	..	..	..	..	23	
Tomatoes	..	..	..	..	19	
Potatoes	..	..	..	..		6¼ tons
Other vegetables	..	..	..	..	3	
Meat, fresh	..	..	..	..		530 lbs.
„ tinned	..	..	..	..	212	
„ bacon	..	..	..	..		82 lbs.
Chickens	..	..	..	..		138 birds
Rabbits	..	..	..	..		33 lbs.
Fish, wet	..	..	..	..		671 lbs.
„ tinned	..	..	..	..	2	
Fruit, tinned	..	..	..	..	318	
„ juice	..	..	..	..	2	
Milk, tinned	..	..	..	..	7	
Frozen egg	..	..	..	..		30 lbs.
Chocolate	..	..	..	..		19 lbs.
Dried fruit	..	..	..	..		55 lbs.
Bananas	..	..	..	..		517 lbs.

FOOD HYGIENE

The approximate number of trade food premises is shown below :—

(i)	<i>Kind of Business</i>	<i>No.</i>	<i>Per 10,000 Pop.</i>
	Restaurants, cafes	120	16
	Grocers, dairy shops	185	24
	Butchers and fishmongers ..	90	12
	Fruiterers, greengrocers ..	68	9
	Bread and flour, confectionery ..	51	6
	Confectioners, tobacconists, etc. ..	155	20

(ii) 89 premises are registered for the manufacture of sausages or potted, pressed, pickled or preserved food for sale.

259 premises are registered for the manufacture, storage or sale of ice cream.

16 premises are registered as dairies.

(iii) 1,001 inspections were made of food premises, excluding sampling visits.

(iv) Lectures relating to clean food education were given to traders' associations and other local organisations whenever an opportunity arose.

(v) Details of meat inspection at the slaughterhouse is given on page 36.

(vi) Details of foods condemned as being unfit for human consumption on examination at the request of a trader are shown on page 38.

FOOD HYGIENE REGULATIONS, 1955—1960

285 premises were inspected to ascertain whether the requirements of the Regulations were being observed. The premises included restaurants, cafes, food shops, canteens and hotel and boarding house kitchens. 51 written notices relating to contraventions, together with a printed abridged synopsis of the Regulations, were sent to traders engaged in the handling of food for public consumption. Verbal requests and advice were also given in a number of instances.

A summary of the defects found is shown below, also in brackets the totals of defects found since the Regulations came into operation.

Absence of :

Adequate supply of hot water	17	(312)
Wash hand basin or sink	4	(204)
Towel, soap, requisites	4	(133)
First aid equipment	2	(162)
Clothing accommodation	9	(73)
" Wash hands " notice	6	(258)

Defects, cleansing, etc.:

Food rooms, defects or re-decoration, etc.	43	(207)
Tables and equipment	6	(69)
Improper storage of refuse	11	(45)

Other contraventions :

Food within 18in. of the floor	4	
Lighting or ventilation unsatisfactory	4	(19)
W.C. ventilating into food room	2	(13)
Smoking offences	2	(16)
Flies	3	
Mobile vans	2	

Complaints relating to unclean or unsound food:—

14 complaints were received and appropriate action was taken in respect of:—

Bread containing:—

String	1
Machine grease	1
Mould	1
Dead wasp	1
Mince pie containing—staple	1
Doughnut „ pin	1
Butter „ mould	1
Toffee „ staple	1
Biscuits (stale)	1
Milk—alleged dirty bottle	3
„ cap inside bottle	2

FOOD AND DRUGS ACT, 1955

71 samples were submitted for analysis by the Public Analyst:—

<i>Description</i>	<i>No. Analysed</i>
Milk, Pasteurised	31
Milk, Channel Islands	26
Cream	11
Sweets, confectionery	3

One sample of Channel Island milk was 2.5% deficient in milk fat and one sample of double cream deficient 2.0%. All other samples were genuine.

One carton of cream contravened Labelling Requirements.

ANNUAL REPORT
of the
Meteorological Observations
for 1960

METEOROLOGICAL OBSERVATIONS FOR THE YEAR 1960

The Meteorological Station is in Beach House Park, which is 25.00 feet above Ordnance Datum. Here all the instruments, except the Fortin Standard Barometer and the Sunshine Recorder, are kept.

The shade thermometers, in a Stevenson screen, are:—self-recording maximum, self-recording minimum, dry bulb and wet bulb.

All thermometers are Fahrenheit and are verified at the National Physical Laboratory, Kew.

A self-recording minimum thermometer is used for registering the temperature on the grass.

Three earth thermometers are in use at various depths—1ft. 4ft. and 6ft.

There is an official five-inch Copper Rain Gauge, Meteorological Office pattern, also a Dines Tilting Siphon Automatic Rain Recorder.

The Campbell-Stokes Sunshine Recorder is fixed on a platform at the top of Christ Church Tower, 111 feet above mean sea level and 84 feet above ground level.

All instruments at the local Meteorological Observatory are examined and tested periodically by Officers of the Meteorological Office, Air Ministry, Bracknell, Berkshire.

A code report is sent by telephone each evening to the Meteorological Office, London, and the leading newspapers are supplied with reports from that Office.

Weekly reports are sent to the local newspapers, and a full report monthly to the Meteorological Office, Bracknell, for publication in their journals. Rainfall statistics are supplied to the British Rainfall Organisation.

The daily weather report of the Air Ministry, the previous day's sunshine card and a collection of charts and records are also exhibited in the windows of the Information Bureau at the Pier.

This report contains statistics showing the means for the year of Barometric pressure, Air and Earth temperatures, Sunshine, Wind and Humidity, compared with the averages for a series of years.

Observations are taken every day throughout the year at 9 a.m. and 6 p.m.

ABSTRACT OF OBSERVATIONS FOR THE YEAR 1960

Total amount of bright sunshine: 1,617.9 hours.
Number of days with sunshine: 298.
Rainfall: 41.43 inches.
Number of rain-days (.01 inch or more): 196.
Number of wet days (.04 inch or more): 141.
Highest barometric reading: 30.717 inches on 8th February.
Lowest reading: 29.130 inches on 1st November.
Warmest day: 26th June (80°).
Coldest night: 14th January (21°).
Coldest day: 13th January (33°).
Warmest night: 22nd August (62°).
Warmest month (by day): August (average temperature 67°).
Coldest month (by night): February (average temperature 36°).
Mean Temperature: 51.5°.
Mean relative humidity: at 9 a.m. 82.1 %.
Lowest temperature on the grass: 17° on 17th February.
Wettest day: 10th August (1.74 inches).
Sunniest day: 20th June (15.1 hours).
Number of days snow or sleet fell: 5.
Number of days hail fell: 8.
Number of days thunder heard: 12.
Number of ground frosts: 73.
Number of days with fog: 4.
Number of days with gales: 3.

BRIGHT SUNSHINE

The duration of bright sunshine for the year was 1,617.9 hours.

This amount is 36.2 per cent, of the time during which the sun was above the horizon, giving a daily mean of 4.42 hours. The average yearly sunshine for the previous ten years was 1,835.8 hours. During this period the year with the highest record was 1959, when 2,123.9 hours were recorded, whilst the year 1958 was the lowest with 1601.5 hours. The sunniest day was 20th June when 15.1 hours were recorded.

June, with 240.8 hours, was the sunniest month, and January with 49.2 hours, was the least sunny.

A sunless day is one on which less than 6 minutes of bright sunshine are recorded.

RAINFALL

The rainfall for the year 1960 was 41.43 inches, the wettest on record. This amount is 13.94 inches above the Normal and 13.43 inches above the previous ten years' average.

The month of April was the driest with 0.65 inch, falling below the Normal amount by 1.13 inches. October was the wettest month with 7.57 inches, this amount being 4.62 inches above the Normal. The heaviest daily rainfall was 1.74 inches on 10th August. There were 196 days on which 0.01 inch or more rain fell, compared with 158 days which is the average number for the previous ten years.

One inch of rainfall is equivalent to 100.925 tons per acre or 14.4686 millions of gallons per square mile.

SUMMER RAINFALL. Total for six months (1st April to 30th September) was 16.94 inches, compared with an average summer rainfall for the previous ten years of 12.72 inches.

WINTER RAINFALL. Total for six months (January to March and October to December) was 24.49 inches, compared with an average winter rainfall for the previous ten years of 15.28 inches.

HUMIDITY

The mean relative humidity of the atmosphere (percentage of saturation of the air) at 9 a.m. was 82.1 %, compared with the previous ten years' average of 80.6%.

BAROMETER

The mean barometric reading for the year was 29.904 inches (when reduced to sea level and to a temperature of 32° Fahr.), the average for the 30.717 inches on 8th February, and the lowest reading was 29.130 inches on 1st November. The absolute range for the year was 1.587 inches and the average range for the previous ten years 1.909 inches.

One inch barometric pressure is equivalent to 70.727 lbs. per square foot.

TEMPERATURE

The mean temperature for the year was 51.5° Fahr. which is 0.5° above the Normal. The highest shade temperature for 1960 was 80° recorded on 26th June, and the lowest 21° on 14th January. The extreme range of temperature was 59° compared with the average range of 57° for previous ten years. The temperature on the grass fell below 30.4° on 73 nights. The lowest temperature on the grass was 17° during the night of 17th January

EARTH TEMPERATURES. The highest and lowest temperatures at various depths in the earth were as follows : —

Below Surface	Highest	Date	Lowest	Date
1 ft.	65.2°	7th August	36.0°	18th February
4 ft.	61.7°	8th-12th Aug.	44.3°	22nd and 23rd Feb.
6 ft.	58.8°	31st Aug. and 2nd Sept.	46.1°	29th February

WIND

Percentages of direction of wind from 732 observations taken at 9 a.m. and 6 p.m. throughout the year : —

	9 a.m. %	6 p.m. %		9 a.m. %	6 p.m. %
N.	12.0	8.0	S.	8.0	9.0
N.E.	14.6	10.8	S.W.	22.2	26.5
E.	5.8	4.6	W.	14.6	18.1
S.E.	10.8	11.0	N.W.	12.0	12.0
Calm	—	—			

TABLE 1 — CLOUD AND HUMIDITY

Month.			Cloud Amount Scale 1–8		Mean Relative Humidity	Mean Humidity previous 10 years 1955–1959
			9 a.m.	6 p.m.	9 a.m.	9 a.m.
January	..	..	6	6	% 89	% 88
February	..	..	5	6	86	87
March	..	..	6	5	82	82
April	..	..	5	6	76	73
May	..	..	6	5	76	73
June	..	..	5	5	75	75
July	..	..	6	7	78	77
August	..	..	5	6	80	78
September	..	..	6	5	82	80
October	..	..	6	7	84	83
November	..	..	6	6	88	84
December	..	..	6	7	89	88
Year 1960	..		6	6	75	Yearly average 74

TABLE 2 — **BRIGHT SUNSHINE** — 1960

The official sunshine return of the Meteorological Office, Air Ministry, was published at the end of the year and gave a list of 354 sunshine stations in Great Britain and Northern Ireland.

Sunshine was markedly below average in South-Eastern England, with stations showing a deficit of over 200 hours.

The following is an extract from the return and shows the relative positions of Mainland Stations in the South-Eastern Coastal area:—

<i>Station</i>				<i>Sunshine (Hours)</i>
Eastbourne	..	..	..	1730.1
Bognor Regis	..	....	..	1661.9
Littlehampton	..	..	..	1645.7
Dover	..	..	..	1627.2
Hastings	..	..	..	1618.6
WORTHING	..	..	..	1617.9
Seaford	..	..	..	1602.9
Margate	..	..	..	1589.9
Bexhill	..	..	..	1588.4
Thorney Island (Sussex)	..	..	..	1586.1
Brighton	..	..	..	1585.5
Folkestone	..	..	..	1571.1
Ramsgate	..	..	..	1552.1
Herne Bay	..	..	..	1480.5
Rustington	..	..	..	1478.4
Whitstable	..	..	..	1416.7

TABLE 3 — BRIGHT SUNSHINE

Month	Total Hours Bright Sunshine	Average for 30 years 1921-1950	Hours Daily Mean	Percentage of average %	Days with Sunshine	Most in one day Hours	Monthly Totals		
							Highest		Lowest
							Hours	Year	Hours
January ..	49.2	67	1.59	73	20	6.9	109.9	1940	34.5
February ..	94.2	83	3.25	111	19	9.4	140.3	1949	29.8
March ..	88.0	147	2.84	60	23	10.1	220.8	1907	88.0
April ..	176.4	182	5.88	97	26	11.8	267.2	1912	105.3
May ..	200.4	232	6.46	86	29	14.1	353.1	1909	148.9
June ..	248.0	243	8.26	102	28	15.1	327.1	1957	143.5
July ..	171.3	232	5.52	74	29	14.3	369.0	1911	133.8
August ..	204.9	219	6.61	94	29	12.1	298.4	1899	112.6
September ..	138.9	169	4.63	82	26	11.3	262.6	1898	97.1
October ..	109.3	125	3.52	87	27	9.9	181.6	1919	81.9
November ..	80.8	76	2.69	107	23	7.7	131.3	1909	44.4
December ..	56.5	63	1.82	90	19	6.7	96.0	1946	22.3
Year 1960 ..	1617.9	1838	4.42	88	298	15.1	369.0	July 1911	22.3
Highest and Lowest Year Totals							2141.0	1899	1600.2
									1913

TABLE 4 — BRIGHT SUNSHINE

Year	Campbell-Stokes Recorder Bright Sunshine Hours	Bright Sunshine Days	Sunniest Days	
			Day	Hours
1940	1976.8	323	July 1st	15.2
1941	1791.7	317	June 25th	15.2
1942	1711.6	312	June 5th	14.8
1943	1864.8	313	June 24th	14.9
1944	1765.5	315	June 24th	14.9
1945	1783.9	309	June 17th	14.8
1946	1790.7	307	July 10th	15.1
1947	1896.8	294	June 10th	14.9
1948	1916.9	319	May 18th	14.9
1949	2128.9	317	July 10th	14.8
1950	1805.4	312	June 16th	15.1
1951	1838.4	297	June 19th	15.1
1952	1917.0	317	June 30th	15.1
1953	1885.1	302	July 24th	14.3
1954	1687.3	301	June 20th	14.4
1955	1936.4	305	May 30, June 1	14.9
1956	1726.7	311	July 25th	14.9
1957	1836.4	307	June 13th	15.5
1958	1601.5	306	May 28, June 14	14.9
1959	2123.9	320	June 17th	15.3
1960	1617.9	298	June 20th	15.1
Average for 20 years 1940—1959	1849.3	310		

TABLE 5 — RAINFALL

1960		Total Rain-fall	Difference from the Normal	Greatest Fall in 24 hours beginning 9 a.m.	Number of Days with .01 in. or more .04 in. or more		Total Rain Days
January	..	ins. 2.55	ins. —0.39	ins. 0.72	18	13	18
February	..	3.03	+1.03	0.66	18	11	18
March	..	1.94	+0.22	0.68	14	11	14
April	..	0.65	—1.13	0.23	10	4	10
May	..	1.87	+0.22	0.61	7	6	7
June	..	1.44	—0.09	0.30	11	7	11
July	..	2.81	+0.67	0.65	19	15	19
August	..	5.36	+3.08	1.74	14	8	14
September	..	4.81	+2.65	0.85	14	13	14
October	..	7.57	+4.62	1.53	20	18	20
November	..	5.66	+2.22	0.98	27	19	27
December	..	3.74	+0.84	1.36	24	16	24
Year	..	41.43	+13.94	1.74	196	141	196

TABLE 6 — RAINFALL

Year	Rainfall in inches	No. of Days Rain fell (0.01 inch or more)	Greatest Fall in a Day	
			Amount in inches	Day and Month
1940	30.13	148	1.50	3rd November
1941	25.83	139	1.36	4th June
1942	24.62	129	1.06	25th October
1943	23.68	145	1.74	13th January
1944	22.14	136	1.22	20th October
1945	22.98	138	2.05	10th July
1946	30.96	170	2.02	16th August
1947	24.31	139	0.94	10th March
1948	25.23	154	1.41	6th August
1949	23.90	120	1.34	20th October
1950	26.95	157	0.89	20th November
1951	37.98	184	1.40	11th June
1952	28.54	175	1.29	30th September
1953	24.33	125	1.22	12th October
1954	30.28	188	1.81	25th July
1955	24.75	140	1.40	22nd September
1956	24.08	148	0.97	4th September
1957	25.30	162	1.27	3rd November
1958	34.36	169	1.62	28th January
1959	23.47	128	0.83	6th December
Average for 20 years	26.69	150	2.05	10th July 1945
1960	41.43	196	1.74	10th August

TABLE 7 — BAROMETRIC PRESSURE AND TEMPERATURE

1960	Barometric Pressure (Reduced to Sea Level and 32° Fahr.)			Air Temperature in Screen					
	Mean Inches.	Extremes.		Means of		Mean of A & B	Difference from Normal	Extremes	
		Highest	Lowest	A Max.	B Min.			Max.	Min.
January	29.992	30.586	29.293	44.5	36.5	40.5	−0.4	52	21
February	29.805	30.717	29.263	45.8	36.2	41.0	+0.1	55	26
March	29.876	30.487	29.185	48.6	40.7	44.7	+0.9	56	33
April	30.128	30.418	29.449	55.7	43.0	49.3	+1.3	67	36
May	30.080	30.415	29.722	61.3	49.8	55.5	+2.0	69	41
June	30.108	30.377	29.649	67.1	54.9	61.0	+1.9	80	47
July	29.905	30.160	29.563	67.1	56.0	61.5	−1.0	70	49
August	29.892	30.070	29.563	67.4	56.2	61.8	−0.8	72	48
September	29.953	30.438	29.310	64.0	53.3	58.7	−0.7	72	46
October	29.646	30.198	29.215	58.3	49.4	53.8	+0.9	64	36
November	29.682	30.140	29.130	53.1	43.3	48.2	+2.0	61	34
December	29.776	30.364	29.249	45.5	37.5	41.5	−0.3	54	32
Year 1960	29.903	30.717	29.130	56.5	46.4	51.5	+0.5	80	21

TABLE 8 — WINDS

Month.	9 a.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	4	5	1	4	1	4	5	7	—
February	1	6	0	4	3	5	3	7	—
March	1	9	9	7	2	3	0	0	—
April	7	5	0	1	2	8	3	4	—
May	5	7	3	2	7	4	2	1	—
June	5	3	1	3	2	8	6	2	—
July	2	1	0	1	2	11	13	1	—
August	4	2	3	1	3	9	7	2	—
September	3	7	3	4	1	4	4	4	—
October	1	5	1	9	4	5	2	4	—
November	3	0	0	2	1	13	5	6	—
December	8	4	0	1	1	7	4	6	—
Year 1960	44	54	21	39	29	81	54	44	—

Month.	6 p.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	4	3	1	1	2	7	6	7	—
February	1	6	1	3	3	8	4	3	—
March	2	7	8	7	1	4	1	1	—
April	4	5	1	5	1	7	4	3	—
May	0	6	1	5	6	9	4	0	—
June	3	3	0	4	1	9	9	1	—
July	0	0	0	0	1	18	7	5	—
August	3	0	0	1	5	8	11	3	—
September	2	3	2	7	3	5	4	4	—
October	1	2	1	6	8	6	1	6	—
November	2	1	0	0	2	12	9	4	—
December	7	3	0	1	0	5	7	8	—
Year 1960	29	39	15	40	33	98	67	45	—

Summary of observations taken at 9 a.m. and 6 p.m.

MONTH	FOG				MIST OR HAZE				GOOD VISIBILITY					
	A		B & C		D & E		F		G		H		I	
	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.
January ..	—	—	1	—	—	1	2	—	2	6	7	8	9	9
February ..	—	—	—	—	—	—	2	3	—	—	5	7	12	11
March ..	—	—	—	—	—	—	4	3	6	7	8	8	13	5
April ..	—	—	—	—	—	—	—	—	—	—	3	4	8	3
May ..	—	—	—	—	—	—	—	2	3	3	3	4	8	6
June ..	—	—	—	—	—	—	—	1	3	2	1	1	10	3
July ..	—	—	—	—	—	—	—	—	—	3	—	—	2	1
August ..	—	—	—	—	—	—	—	—	—	—	—	—	4	2
September ..	—	—	—	—	—	—	—	1	—	2	1	1	10	10
October ..	—	—	—	—	—	—	—	3	4	3	—	—	7	12
November ..	—	—	—	—	1	—	3	1	1	—	2	11	12	7
December ..	—	—	—	—	1	—	3	6	4	5	5	4	8	8
Year 1960 ..	—	—	1	—	2	1	10	16	21	24	40	39	102	82
													64	56
													72	19
													40	9
													36	2

KEY TO TABLE 9 — VISIBILITY

Letter	Standard Distance	Actual Distance	Description of visibility	Object	View Point	Bearing
A	22 yards	21 yards	Dense Fog	Chestnut tree on opposite side of road	Office Door	S.E.
B	44 yards	45 yards	Thick Fog	Chestnut tree outside entrance to "Ryecroft"	Office Gate	E.
C	110 yards	110 yards	Thick Fog	N.W. corner of Town Hall	Office Gate	E.
D	220 yards	220 yards	Fog	Christ Church Tower	Office Window	S.
E	440 yards	430 yards	Moderate Fog	Holy Trinity Church Spire	Christ Church Tower	S.W.
F	1100 yards	1100 yards	Very Poor	Heene Church Tower	" "	W.
G	1¼ miles	1¼ miles	Poor	Tarring Church Tower	" "	N.W.
H	2½ miles	2¾ miles	Moderate	Top of High Salvington Hill	" "	N.W.
I	4½ miles	4¼ miles	Moderate	Highdown Hill	" "	W.N.W.
J	6¼ miles	6⅝ miles	Good	Portslade Gas Works Chimney	" "	E.
K	12½ miles	12½ miles	Very Good	Hills beyond Brighton	" "	E.
L	18¾ miles	18¼ miles	Very Good	Selsey Bill	" "	W.S.W.
M	25 miles	27 miles	Excellent	Beachy Head	" "	E.S.E.

TABLE 10 — CLIMATE OF WORTHING — 1905 - 1960

	Temperatures						Rainfall		Sunshine	Year	
	Means					Extremes		Amount at Observ- atory	Number of days rain fell		Number of hours in year
	9 a.m.	Min.	Max.	Range	Mean	Min.	Max.				
Degrees							Inches				
5 ..	50.1	42.2	55.6	11.4	49.1	23.9	77.1	24.63	162	1715.3	..1905
6 ..	50.6	44.3	56.1	11.8	50.2	24.9	78.6	30.44	173	2010.6	..1906
7 ..	50.2	45.1	54.8	9.5	50.0	20.4	76.1	21.78	158	1776.8	..1907
8 ..	50.9	44.1	56.1	12.1	50.1	16.0	80.2	22.15	146	1991.3	..1908
9 ..	49.7	43.0	54.6	11.6	48.8	19.9	81.2	32.11	178	1958.6	..1909
0 ..	50.8	44.5	55.9	11.5	50.1	21.9	73.8	32.57	191	1731.0	..1910
1 ..	52.8	45.1	58.0	12.9	51.5	25.4	87.9	31.68	149	2115.0	..1911
2 ..	51.6	45.0	56.6	11.6	50.8	19.0	84.2	35.95	192	1609.9	..1912
3 ..	52.1	45.9	57.4	11.5	51.6	26.2	79.0	34.98	170	1600.2	..1913
4 ..	52.7	45.2	57.9	12.7	51.5	23.2	78.2	31.31	164	2000.5	..1914
5 ..	51.1	43.8	56.3	11.8	50.5	24.7	77.1	36.64	152	1801.3	..1915
6 ..	51.2	44.7	56.3	11.6	50.5	25.0	77.0	32.89	182	1658.0	..1916
7 ..	49.2	43.0	54.6	11.6	48.8	20.7	79.0	25.49	147	1804.7	..1917
8 ..	51.0	44.7	56.5	11.8	50.6	20.0	78.0	24.41	165	1856.5	..1918
9 ..	49.4	42.9	54.9	12.0	48.9	22.0	78.5	28.54	158	1788.5	..1919
0 ..	51.7	45.6	56.6	11.0	51.1	23.0	76.0	26.40	139	1692.1	..1920
1 ..	53.4	46.4	58.8	12.4	52.6	27.6	86.7	13.26	108	2101.5	..1921
2 ..	50.1	43.9	54.8	10.9	49.3	25.2	78.2	25.71	159	1781.2	..1922
3 ..	50.8	44.5	55.6	11.1	50.1	24.0	86.0	30.62	170	1805.9	..1923
4 ..	50.8	45.4	55.3	9.9	50.3	25.0	74.6	32.65	159	1759.6	..1924
5 ..	49.8	44.7	55.9	11.2	50.3	24.0	80.2	34.70	158	1955.8	..1925
6 ..	51.6	45.7	56.7	11.0	51.2	21.8	83.3	28.57	160	1677.7	..1926
7 ..	50.8	45.0	55.8	10.8	50.4	22.4	78.1	34.88	165	1731.4	..1927
8 ..	51.9	45.1	57.0	11.9	51.0	21.6	82.0	32.84	161	1999.1	..1928
9 ..	50.9	44.1	56.0	11.9	50.0	13.0	80.0	29.71	134	2062.5	..1929
0 ..	52.0	46.9	56.4	9.5	51.3	26.0	82.6	28.31	169	1821.4	..1930
1 ..	51.0	45.0	55.0	10.0	50.0	21.0	77.0	25.80	147	1610.5	..1931
2 ..	50.5	45.1	55.8	10.7	50.5	23.0	80.0	23.91	148	1616.7	..1932
3 ..	52.0	45.5	56.4	10.9	51.2	23.6	81.2	20.40	125	2102.6	..1933
4 ..	52.1	45.6	57.5	11.9	51.8	24.0	82.0	27.49	139	1811.0	..1934
5 ..	51.8	46.1	56.6	10.5	51.3	25.6	83.8	37.74	173	1805.2	..1935
6 ..	51.3	45.4	55.9	10.5	50.7	27.1	81.3	27.42	169	1675.0	..1936
7 ..	51.5	46.3	57.2	10.9	51.8	26.0	76.8	31.59	162	1668.3	..1937
8 ..	52.7	46.1	57.1	11.0	51.6	19.5	82.5	22.95	156	1796.4	..1938
9 ..	51.8	45.8	56.5	10.7	51.2	20.0	81.5	34.42	171	1809.7	..1939
0 ..	50.0	45.0	56.0	11.0	50.5	16.0	80.0	30.13	148	1976.8	..1940
1 ..	50.3	44.0	56.0	12.0	50.0	22.0	83.0	25.83	139	1791.7	..1941
2 ..	50.0	44.8	55.3	10.5	50.5	19.0	83.0	24.62	129	1711.6	..1942
3 ..	52.0	46.0	58.0	12.0	52.0	28.0	80.0	23.68	145	1864.8	..1943
4 ..	51.3	45.4	56.2	10.8	50.8	26.0	81.0	22.14	136	1765.5	..1944
5 ..	52.5	46.5	57.2	10.7	51.2	19.0	80.0	22.98	138	1783.9	..1945
6 ..	51.6	45.5	55.7	10.2	50.6	23.0	76.0	30.96	170	1790.7	..1946
7 ..	51.3	45.7	56.1	10.4	50.9	15.0	90.0	24.31	139	1896.8	..1947
8 ..	52.6	46.6	57.6	11.0	52.1	17.0	88.0	25.23	154	1916.9	..1948
9 ..	53.3	47.2	58.4	11.2	52.8	29.0	81.0	23.90	120	2128.9	..1949
0 ..	52.1	46.1	56.7	10.6	51.4	24.0	81.0	26.95	157	1805.4	..1950
1 ..	51.9	46.0	56.3	10.3	51.2	22.0	76.0	37.98	184	1838.4	..1951
2 ..	50.7	45.0	56.0	11.0	50.2	23.0	82.0	28.54	175	1917.0	..1952
3 ..	51.9	46.2	57.1	11.1	51.7	25.0	80.0	24.33	125	1885.1	..1953
4 ..	51.0	45.3	56.0	10.7	50.7	18.0	75.0	30.28	188	1687.3	..1954
5 ..	51.0	44.8	56.4	11.6	50.6	25.0	84.0	24.75	140	1936.4	..1955
6 ..	49.9	44.2	55.0	10.8	49.6	16.0	77.0	24.08	148	1726.7	..1956
7 ..	52.2	46.8	57.1	10.3	51.9	30.0	82.0	25.30	162	1836.4	..1957
8 ..	50.8	45.9	55.5	9.6	50.7	23.0	77.0	34.36	169	1601.5	..1958
9 ..	53.1	47.1	58.7	11.4	52.9	26.0	82.0	23.47	128	2123.9	..1959
60 ..	51.4	46.5	56.4	9.9	51.5	21.0	80.0	41.43	196	1617.9	..1960

NATIONAL HEALTH SERVICE ACT, 1946

Part III Services

The day-to-day administration of the Part III Services provided under the National Health Service Act is delegated to the Worthing County Health Sub-Committee. This section summarises the work carried out in the Borough during the year.

SECTION 22. CARE OF MOTHERS AND YOUNG CHILDREN

Child Welfare Centres :

There are five Child Welfare Centres in the Borough situated as follows:—

- (1) The Central Clinic—Monday and Friday afternoons.
- (2) Church Hall, Durrington—Second and fourth Thursday afternoons in each month.
- (3) St. Mary's Hall, Goring—Second and fourth Thursday afternoons in each month.
- (4) St. Richard's Hall, Maybridge—First, third and fifth Thursday afternoons in each month.
- (5) Vale School, Vale Walk, Findon Valley—First and third Wednesday afternoons in each month.

1,322 infants and children made a total of 8,487 attendances at all centres during the year. The number of infants who first attended at the centres during the year whilst they were under one year of age was 633, equivalent to 80.8 per cent. of the notified live births.

Ante- and Post-Natal Clinics :

The following is a summary of attendances, etc., at these clinics:—

Medical Officer's Clinic :

No. of clinics	..	..	..	..	..	19
New cases	..	..	..	..	..	33
Total attendances	..	..	..	..	..	77
Average attendance per session	..	..	..	..	..	4.1

Midwives' Clinic :

No. of clinics	..	..	..	..	..	46
New cases	..	..	..	..	..	122
Total attendances	..	..	..	..	..	428

Ante-Natal Relaxation Exercises Clinic :

New cases	..	..	..	..	..	46
Total attendances	..	..	..	..	..	273

DENTAL SERVICE

The following tables give details of the treatment carried out during the year:—

(a) Numbers provided with dental care:

	Examined	Needing treatment	Treated	Made dentally fit
Expectant and Nursing Mothers ...	5	4	4	2
Children under five	359	79	79	66

(b) Forms of dental treatment provided:

	Extractions	General Anæsthetics	Fillings	Scalings or Scaling and gum treatment	Silver Nitrate treatment	Crowns or Inlays	Radiographs	Dentures provided	
								Complete	Partial
Expectant and Nursing Mothers	2	—	2	—	—	—	—	—	—
Children under five	67	20	274	—	—	—	—	—	—

Dental X-rays are carried out at Worthing Hospital and arrangements exist for the supply of dentures locally.

CARE OF PREMATURE INFANTS

All infants weighing up to $5\frac{1}{2}$ lbs. at birth are included under this heading and in Worthing a special note is made on the notification of birth cards in respect of all infants whose birth weight is $5\frac{1}{2}$ lbs. or less.

Special arrangements for the care of premature infants in their own homes are made within the Midwifery and Health Visiting Services, and infants who cannot be cared for at home are admitted to hospital.

Premature infants born in hospital are notified to the Department on discharge and are kept under supervision by the Health Visitors and invited to attend the Welfare Centres.

Fifty-four premature live births were notified, of which five occurred at home. Eight premature still-births were also notified.

SECTION 23. MIDWIFERY

The following is a summary of the work of the domiciliary midwives :—

Confinements attended—

as midwife	..	..	..	165
as maternity nurse	..	..	..	51

Analgesia administered—

as midwife	..	..	..	137
as maternity nurse	..	..	..	45

Pethidine administered—

as midwife	..	..	..	102
as maternity nurse	..	..	..	41

Nursings—

as midwife	..	..	..	3,564
as maternity nurse	..	..	..	187

Ante-natal visits	1,991
-------------------	----	----	----	-------

Notification of Births. 775 live births and 16 still-births were registered during the year.

SECTION 24. HEALTH VISITING

Seven Health Visitors devote half their time to duties connected with the Health Services provided under Part III of the National Health Service Act, 1946.

The following are details of visits made by the Health Visitors during the year :—

Expectant mothers—total visits	..	..	..	204
First visits to infants under 1 year of age	..	..	..	729
Re-visits to infants under 1 year of age	..	..	..	1,953
Children 1-5 years—total visits	..	..	..	2,755
Infectious disease visits	..	..	..	27
Tuberculosis visits	..	..	..	69
Visits to aged and infirm persons	..	..	..	1,207
Visits in connection with domestic help service	..	..	..	455
Other visits	..	..	..	309
Total No. of families or households visited	..	..	..	2,621

SECTION 25. HOME NURSING

The services of the Home Nurses are provided on the recommendation of a doctor to any patient requiring such service. The nursing staff at the 31st December comprised an Area Nursing Officer, 17 full-time and 3 part-time Home Nurses.

The following table gives particulars of the number of cases dealt with during the year under review :—

No. of cases attended by Home Nurses	..	..	2,471
No. of visits paid by Home Nurses	..	..	68,500

SECTION 26. VACCINATION AND IMMUNISATION

Vaccination :

(a) Smallpox

Vaccinations are carried out by Practitioners as a part of the General Medical Service, and a fee is payable by the County Council for the Record of the vaccination which the Practitioner supplies in each case.

The following table gives details of the vaccinations carried out during the year :—

Number of persons vaccinated (or re-vaccinated)

Age at date of vaccination	Under 1	1	2 to 4	5 to 14	15 or over	Total
Number vaccinated ...	332	38	18	16	27	431
Number re-vaccinated ...	—	—	10	23	294	327

(b) Poliomyelitis

The following table gives details of the work carried out at the Central Clinic during the year :—

1st injections ..	..	..	..	..	717
2nd injections ..	..	..	..	..	726
3rd injections ..	..	..	..	..	1,591

In addition, record cards were received from General Practitioners in respect of 1,887 persons who had been given two injections, and for 3,320 persons who had been given three injections.

21 record cards with two injections and 80 record cards with three injections completed for hospital staffs and other priority groups were also received during the year.

Number of persons vaccinated since the commencement of the scheme :—

	At Central Clinic	By General Practitioners	Hospital Staff & Priority Groups	TOTAL
Two injections completed ...	6,713	9,262	472	16,447
Three injections completed	5,662	7,297	190	13,149
GRAND TOTAL				29,596

Immunisation :

Number of persons immunised against Diphtheria and Whooping Cough during the year.

	0-5 years	5-15 years	Total
Diphtheria	10	34	44
Whooping Cough	11	—	11
Whooping Cough, Tetanus, Diphtheria (triple)	579	1	580

In addition, 230 children received reinforcing injections—134 diphtheria, and 96 whooping cough, tetanus and diphtheria (triple).

SECTION 27. AMBULANCE SERVICES

The St. John Ambulance Brigade acts as agent for the County Council in operating the Ambulance and Hospital Car Services in the Borough of Worthing.

During the year the Worthing Ambulance Division carried 9,937 patients, covering a total distance of 80,630 miles.

SECTION 28. PREVENTION OF ILLNESS, CARE & AFTER-CARE

1. *Tuberculosis :*

The Health Visitors continued to attend at the Chest Clinics held at Worthing Hospital. They also made 69 visits to patients in their own homes.

The Worthing Area Committee of the Sussex Rural Community Council has met quarterly and has been instrumental in helping a number of patients and their families.

2. *Care and After-Care :*

Close liaison exists between the Hospital Almoners, the County Care Almoner and the Health Visitors, and numerous visits were made to chronic sick cases and aged persons (see Health Visitors' statistical table).

3. *Prevention of Illness :*

The Health Visitors continued to play an important part in health education during the year; in addition, exhibition stands relating to various aspects of the Health Services were erected in the clinics, and the Medical Officer of Health either arranged or gave a number of talks to local organisations in the Borough.

SECTION 29. DOMESTIC HELP

This service continues to provide Domestic Help in cases of illness, aged persons, maternity cases and other cases of need. Applications for help are only approved on the recommendation of a doctor or midwife, and all circumstances are carefully investigated in order to assess the amount of help required.

A charge is made for the services of a Domestic Help, the amount being determined according to the financial circumstances of the applicant.

<i>Applications for Assistance</i>	<i>Maternity Cases</i>	<i>Tuberculosis Cases</i>	<i>Chronic Sick inc. aged & infirm Cases</i>	<i>Other Cases</i>	<i>Total</i>
(a) No. of cases receiving assistance at 1st January, 1960	—	3	268	83	354
(b) No. of new applications received	60	—	225	200	485
(c) No. of cases in (b) assisted	55	—	210	183	448
(d) No. of cases in (b) approved, but for which assistance was not available	—	—	—	—	—
(e) No. of cases in (b) not approved	—	—	—	1	1
(f) No. of applications in (b) withdrawn:					
(i) Before arrangements made	3	—	5	7	15
(ii) After arrangements made	2	—	10	9	21
(g) No. of cases in (a) and (b) completed during the year	47	1	191	166	405
(h) No. of cases receiving assistance at end of year	2	2	271	88	363

Number of Domestic Helps employed at 31st December, 1960:—

(a) Whole-time—0; (b) Part-time—54.